Chemicals, Oils, Drugs Price Records—Page 7

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 147 No. 3 SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS January 15, 1945

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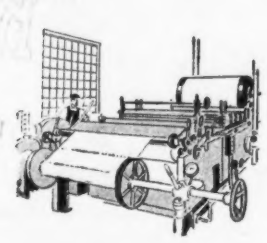

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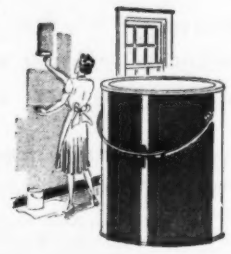

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Hydroxyethyl cellulose is of interest for textile finishing, paper sizing, and in shoe and leather dressings where thickening agents such as starches, gums, gelatins, and soluble resins are used. In dyestuff pastes, it tends to increase the solubility of the dyestuff in the printing vehicle. Unlike starch and gelatin sizes it will not mold, and its films do not build up an electrostatic charge.

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Oil, Paint and Drug Reporter

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Trade Board Reiterates Request for Merger Bar

OPD Washington Bureau

The request which the Federal Trade Commission has made annually for a number of years for an amendment to section 7 of the Clayton act that would prohibit the corporate acquisition of another corporation's properties under the same conditions that acquisitions of capital stock have been declared unlawful, was renewed January 11, by the commission in its annual report for the fiscal year 1943-44.

The commission also urged, with the war rapidly approaching a climax, that Congress take up for serious, concrete consideration now the various other recommendations for legislation submitted by the Temporary National Economic Committee in March, 1941, and by the President, when urging the formation of that committee in April, 1938.

Wartime activities continued to occupy much of the commission's time during the fiscal year, largely in the direction of special investigations of the manner in which control orders of the war agencies are being carried out by industry. Investigations of compliance with WPB orders covered 307 companies and related to antifreeze solutions, paint, varnish, and lacquer, silverware, commercial cooking equipment, hot-air furnaces, costume jewelry, cotton textiles, and grapes.

Distribution Probes

Investigations also were made of distribution methods and costs and reports made to Congress covering thirteen food processing industries, ten important fruits and vegetables which are sold to consumers unprocessed, three important building materials—lumber, paints and var-

—*Continued on page 40*

Simon and Callan Enter Foreign Trade

George Simon, former vice-president and treasurer of the Heyden Chemical Corporation, New York, William Callan who retired recently

George Simon

as vice-president of the Borden and president of the Casein Company of America, and Frank E. Crawford, of Crawford, Keen & Cia of Buenos Aires, have formed a partnership un-

—*Continued on page 60*

Drug Seizures Increased By Manpower Shortage

OPD Washington Bureau

Adulteration of drugs is increasing in number and seriousness because of the loss of trained employees essential to the adequate control of drug manufacture and packaging, the Food and Drug Administration declared in its annual report for the fiscal year 1944 made public January 12 by Federal Security Administrator Paul V. McNutt. The administration supported its statement with statistics showing that there were 380 drug and vitamin seizure actions during the year, compared with 287 actions during the previous fiscal year.

The 1944 seizures comprised 156 preparations bearing false or misleading therapeutic claims, or failing to bear the mandatory label statements; forty-one that were dangerous to health; thirty that were filthy or decomposed; seventy-eight that were below official standards; and seventy-five that were economic cheats, by reason of deceptive packaging or misleading representations. The 1943 actions involved sixteen preparations alleged to be dangerous to health, one hundred and seven with false and misleading claims, three filthy or decomposed preparations, and fifty constituting economic cheats.

As during the preceding fiscal year, however, much of the work of the administration was directly connected with the war effort, concerned principally with testing penicillin and other drugs, insect repellents, and

—*Continued on page 58*

Milk Sugar Institute Elects Officers

N. S. Van Bomel, of the Sheffield By-Products Company, New York, has been elected president of the Milk Sugar Institute. Other officers elected were:—Vice-president, S. B. Gilpin, of Smith, Kline & French Laboratories, Philadelphia; treasurer, E. F. Miller, of the National Milk Sugar Company, New York; secretary and assistant treasurer, Robert T. Baldwin, New York.

Surplus Disposal to Suppliers Are Questioned by Biddle

OPD Washington Bureau

Present policies of government disposal agencies of offering surplus commodities first to the original manufacturers are viewed with misgivings by the Department of Justice on tend ultimately to foster monopolies and to discriminate against small business.

In a report to Congress January 5 on operations of the department under the war mobilization and reconversion act, Attorney-General Biddle points out that in many instances government-owned materials will be the only source of supply for some time for items of essential civilian consumption. The return of property to the original manufacturer would, therefore, he alleged, prevent access to these materials by small business and would discriminate against that portion of industry which is engaged in fabricating and assembling rather than in the manufacture of component parts.

Regional Needs Stressed

It was the view of the Attorney-General that limiting safeguards should be thrown around such a policy to the end that the same concentrations which have occurred in the letting of government war contracts are not continued. He added:—

The potentialities of utilizing various surplus items as units for the establishment, expansion, or equipping of local projects, both private and public, may not be fully utilized under a program of individual item disposition. Alert and informed regional and community organizations to present regional and local problems and to act as clearing houses for information should be of inestimable value in connection with such projects.

As a minimum, such organizations could ascertain that the problems of their regions and communities were fully considered in connection with disposal programs. Federal administrative disposal policies could be directed toward making property available in terms of the needs of communities. Such disposal would not only create new local opportunities and projects, but would tend toward eliminating concentrations of control over critical items which would result from returning surpluses in fragments to the original war contractors.

The Attorney-General also informed Congress that, as part of the department's duties under the law to determine factors which may tend to eliminate competition or promote undue concentration of economic power in the course of war mobilization or during the period of transition from war to peace, studies are now underway or projected into eighteen separate industries and phases of the situation.

The subjects include aluminum,

—*Continued on page 34*

Drug Industry Organizes Export Business Group

The Drug Industry Export Committee has been formed by three drug trade associations to cooperate with the government in dealing with foreign trade problems affecting the industry. The three trade groups from which the committee of twenty-one has been selected are the American Drug Manufacturers' Association, American Pharmaceutical Manufacturers' Association and the Proprietary Association.

Representing the proprietary group are W. L. Bomer, R. M. Dunning, Earl McClintock, D. C. Townley, F. J. Cullen and J. F. Hoge, while R. F. Chutter, John Maguire, H. D. Arneson, Forrest Teel, A. L. Young, C. P. Frailey and L. D. Harrop represent the American Drug Manufacturers Association. J. G. Flanagan, F. L. Saenz, Oliver Shaw, James Chilcott, Lorenz Arranz, Gerald Rorer and C. W. Dunn were chosen from the American Pharmaceutical Manufacturers Association.

DCAT Dinner Set for March 15

The Twentieth annual dinner of the Drugs, Chemical and Allied Trades Section of the New York Board of Trade will be held in the Waldorf-Astoria, March 15.

Drug Law Inspections Stress Plant Sanitation

OPD Washington Bureau

Inspectors for the Food and Drug Administration are under instructions from the Washington headquarters to pay particular attention, as part of their regular duties, to the sanitary conditions existing in all plants or warehouses engaged in the processing or handling of drugs, spices, foods, and other commodities coming within the scope of the food, drugs, and cosmetics act.

Confirming reports that special effort is being made to raise the standards of sanitation in industries falling within its jurisdiction, officials of the agency said that it is finding too many unhealthy conditions existing in these industries and is urging plant managers to take immediate steps to eliminate filth to prevent contamination of products reaching consumers. Until recently most of the work of the agency has been in connection with the food industries and during the past fiscal year something like two-thirds of the seizures were the result of filthy conditions found existing in food-processing plants. Increased attention is now being given to similar conditions in the drug industry and a number of seizures already have been made and successfully maintained in the courts.

Detection Methods Improved

It is pointed out that in the revision of the food and drugs act in 1938, Congress substantially strengthened the authority of FDA to deal with unsanitary conditions in industries. Under the old law there was no authority to deal fundamentally with the problem; each lot of contaminated product had to be dealt with separately. Now under the law the agency has authority to present evidence to the courts of unsanitary conditions existing in a plant generally, and if proved, can ask for an injunction prohibiting the shipment of any products from the plant or warehouse on the grounds that they may be contaminated.

Much of the agency's attention is being focused on botanical materials because of the greater likelihood of these articles' becoming

—*Continued on page 58*

Costello on USP Board

Patrick H. Costello, secretary of the National Association of Boards of Pharmacy, Chicago, has been elected a member of the Board of Trustees of the United States Pharmacopeial Convention, in succession to the late Dr. E. F. Kelly.

In his pharmacal activities, Mr. Costello has been secretary of the North Dakota Board of Pharmacy, president of the North Dakota Pharmaceutical Association, president of the National Association of Boards of Pharmacy, and president of the American Pharmaceutical Association. He was a delegate to the 1940 USP Convention and served on the committee which revised the organization's constitution and by-laws.

Glass Container 'Trust' Charges Sustained

OPD Washington Bureau

Government charges of antitrust law violations by seven glass container companies and sixty-one individuals were sustained by the Supreme Court of the United States, January 8, in a four-to-two decision which, however, modified the decree of 1912, under which the industry has operated. The two dissenting justices, Owen J. Roberts and Hugo L. Black, protested that the modifications weakened the control over the industry.

The decision was against the Hartford-Empire Company, Corning Glass

—*Continued on page 86*

Munitions Program Upped $2,500,000,000

OPD Washington Bureau

The overall munitions program for 1945 has been increased by $2,500,000,000 above the $62,000,000,000 previously scheduled, in order to provide equipment for the French army, it was announced January 12 by Chairman J. A. Krug of the War Production Board.

Mr. Krug said that the program now scheduled will be much more difficult to achieve than was the 1944 program, and there will be available jobs for everyone in war industries who want such jobs.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

Jan. 12, 1945	Jan. 5, 1945	Jan. 14, 1944
132.7	132.5	138.5

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Further elevation of price views on quicksilver and its chemical derivatives, plus a net gain among the continuous changing in botanical drugs, sent the price level of the markets for chemicals, oils, and drugs on an upward see-sawing last week. Dibutyl phthalate was cheaper, and castor beans got another boost. Otherwise the changes were more numerous than important.

Consuming interest was further constricted by the exigencies of the manpower situation, which did not need the fuel stringency to be hampering. Some tightenings of materials controls also were deterrent.

Recent Imports

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BABASSU KERNELS—833 bgs, 83,300 lbs, Spencer Kellogg & Sons
1,666 bgs, 166,600 lbs, Franklin Baker Co
69 bgs, 6,900 lbs, E F Drew & Co
3,333 bgs, 333,300 lbs, General Foods Corp
BARBASCO, POWDER—17 bls, United States Commercial Co
ROOT—697 bls, United States Commercial Co
BRISTLES, HOG—76 cs, United States Commercial Co
BRYONIA ROOT—5 cs, W Bernstris Co
CAFFEINE, ANHYDROUS—30 bbls, Lo Curto & Funk
CASCARILLA BARK—74 bgs, United States Commercial Co
CASEIN—1,000 bgs, 111,100 lbs, Paul & Stein Bros
2,000 bgs, 220,462 lbs, Hercules Powder Co
1,500 bgs, 165,347 lbs, American & British Chemical Supplies
204 bgs, 22,399 lbs, Packing Products Co
727 bgs, 88,152 lbs, Paul & Stein Bros
1,000 bgs, 110,230 lbs, H S Cramer & Co
500 bgs, 55,115 lbs, Eugenio Lang & Co
2,000 bgs, 220,460 lbs, American Cyanamid & Chemical Corp
1,000 bgs, 110,237 lbs, National Casein Sales Co
1,000 bgs, 110,230 lbs, Tupman, Thurlow Co, Inc
1,300 bgs, 143,299 lbs, J H Schroeder Banking Corp
1,500 bgs, 110,230 lbs, Casein Co of America
1,000 bgs, 110,230 lbs, National Casein Sales Co
2,000 bgs, 220,462 lbs, Scheffield Farms Co, Inc
1,000 bgs, 110,230 lbs, Altkin Bros
CASTOR BEANS—1,690 bgs, 253,500 lbs, Blue Point Oil Corp
8,500 bgs, 1,275,000 lbs, Baker Castor Oil Co
4,247 bgs, 637,050 lbs, Spencer Kellogg & Sons
124 bgs, 18,600 lbs, Brown Linseed Corp

—Continued on page 70

Bids Wanted

Asphalt Stain:—1,792 gallons, Chemical Warfare Service, New York; DSR-28A, opening January 16.

Dextrin:—Purchasing Agent, Bureau of Engraving and Printing, Washington (25); invitation BEP-540, opening postponed from January 9 to January 17.

Cornstarch, Edible:—349,440 pounds, Contract Development Section, Procurement and Price Support Branch, Office of Supply, War Food Administration, Washington (25); announcement Awd-343, opening January 19.

Margarin, Colored: — 268,800 pounds, Chief, Procurement and Price Support Branch, Office of Supply, War Food Administration, Washington (25); announcement Awd-337, opening January 16.

Margarin, Colored: — 1,270,000 pounds, Chief, Procurement and Price Support Branch, Office of Supply, Washington (25); announcement Awd-280, supplement 2, opening January 17.

Mildew Inhibitor:—55 gallons, Chemical Warfare Service, New York; DSR-28A, opening January 16.

Paint, Interior Emulsion:—3,000 gallons, Assistant Chief, Service Office, Federal Works Agency, Public Buildings Administration, Office of Buildings Management, Washington (25); invitation 1923-1-23-sd, opening January 23.

Paint:—Regional Director, Treasury Department, Chicago (4); invitation TWCH-2650, opening January 15.

Stain-Oil:—1,792 gallons, Chemical Warfare Service, New York; DSR-28, opening January 16.

Fish Meal Processors May Add Bagging Charges

Processors of fish meal and fish scrap may add replacement value of used burlap bags to their maximum bulk prices under an amendment to OPA order RMPR-73, effective January 18. OPA has established a dollar-and-cents mark up of $7.00 a ton on sales of fish meal at retail, previously under GMPR.

DSC Surplus Chemicals Offered

Defense Supplies Corporation has the following described surplus chemicals which are available for immediate sale, f.o.b. cars or trucks present storage points. Offers should be submitted in writing to Defense Supplies Corporation, 811 Vermont avenue, N.W., Washington, D. C. This corporation reserves the right to withdraw all or any part of items listed or to reject any offer in whole or in part.

Alizarin Red S, 204 10-gram vials, Schenectady, N. Y.; 3,774 10-gram vials, Louisville, Ky.

Aluminum Oxide, 700 pounds, Edgewood Arsenal, Md.

Amine, 3,462 gallons, Oakland, Calif.

1-Amino-2-Napthol-4-Sulfonic, 300 25-gram bottles, Denver, Colo.

Ammonia Acetate, 248 pounds, Savannah, Ga.; 3,350 pounds, Louisville, Ky.

Ammonia Anhydrous, 12,750 pounds, St. John, Utah.

Ammonia Bromide, 500 pounds, Binghamton, N. Y.; 692 pounds, Schenectady, N. Y.

Ammonia Carbonate, 576 8-ounce bottles, Benicia, Calif.; 664 8-ounce bottles, Metuchen, N. J.; 222 pounds, Augusta, Ga.

Ammonia Chloride, 10,725 pounds, Edgewood Arsenal, Md.; 804 pounds, Edgewood Arsenal Md.

Ammonia Hydrate, 2,048 32-ounce bottles, Benicia, Calif.

Ammonia Persulphate, 115 pounds, Augusta, Ga.; 780 8-ounce bottles, Benicia, Calif.; 377 15-ounce bottles, Benicia, Calif.

Ammonia Sulphate, 6,260 pounds, Cincinnati, Ohio.

Anilin, 125 pounds, Savannah, Ga.

Anneal Salt, 14,800 pounds, a barium and calcium neutral compound, Detroit, Mich.

Antimony Tri-Sulfide, 580 pounds, Edgewood Arsenal, Md.

Azocarmine B, 623 10-gram vials, Schenectady, N. Y.

Aromatic Naphtha, Type 3, 28,000 gallons, Topeka, Kans.; 6,565 gallons, Syracuse, N. Y.; 68,425 gallons, South Bend, Ind.; 17,172 gallons, Columbus, Ohio; 5,227 gallons, Memphis, Tenn.

Arsenic Acid, Anhydride, 150 pounds, Savannah, Ga.

Baking Soda, 1,650 pounds, Detroit, Mich.

Barium Carbonate, 250 pounds, Atlanta, Ga.; 98 pounds, Schenectady, N. Y.; 164 pounds, Edgewood Arsenal, Md.

Barium Chloride, 225 pounds, Savannah, Ga.; 412 pounds, Binghamton.

Barium Chromate, 500 pounds, Edgewood Arsenal, Md.

Barium Hydroxide, 74 pounds, Savannah, Ga.

Benzidine, 7,900 ounces, Louisville, Ky.; 13 pounds and 4,000 grams, Edgewood Arsenal, Mr.; 1,019 ounces, Binghamton, N. Y.

Bismarck Brown Y, 1,300 10-gram vials, San Francisco, Calif.; 700 10-gram vials, Binghamton, N. Y.

Bleach, Grade A, 6,720 pounds, chlorine content below 70 percent, Oakland, Calif.

Bleach, Grade B, 125,700 pounds, 22 percent available chlorine, 20 percent moisture, Edgewood Arsenal, Md.; 48,920 pounds, New Cumberland ASF Depot, Pa.

Bleach, Grade C, 20,600 pounds, New Cumberland ASF Depot, Pa.; 1,247,880 pounds, moisture content, 12.6 percent; available chlorine content, 21.0 percent; Huntsville, Ala.; 140,580 pounds, 33 percent chlorine, Tracy, Calif.; 59,100 pounds, Seattle, Wash.; 117,000 pounds, Tracy, Calif.

Bleach, Grade 1, 184,420 pounds, moisture content high, available chlorine content below 20 percent, Atlanta ASF Depot, Ga.

Bleach, Grade 2, 1,316,200 pounds, 13 percent moisture, 25 percent chlorine, Atlanta ASF Depot, Ga.; 483,750 pounds, 29-35 percent available chlorine, 5 percent maximum moisture, Memphis, Tenn.; 219,520 pounds, 24 to 29 percent chlorine, 9 to 18 percent water, Memphis, Tenn.

Blue Toner, E-7001, 210 pounds, powdered blue dye, Holedon, N. J.

Boiler Compound, 2,400 pounds, Tooele, Utah.

Boric Acid, 2,404 pounds, Cincinnati, Ohio.

Brilliant Green, 799 10-gram vials, Schenectady, N. Y.; 9,000 10-gram, Louisville, Ky.

Bromocresol, 4,984,500 cc. bottles, Richmond, Va.

Bromine, CP, 856 pounds, Edgewood Arsenal, Md.

Butyric Acid, 1,720 pounds, Memphis, Tenn.; 3,179 pounds, Ogden, Utah; 3,870 pounds, Atlanta, Ga.; 32 quarts, Atlanta, Ga.; 1,107 pounds, Edgewood Arsenal, Md.; 2,160 pounds, San Antonio, Texas; 28 pounds, San Antonio, Texas.

Calcium Carbide, 61,300 pounds, Smolen, Kans.

Calcium Carbonate, 33,950 pounds, Edgewood Arsenal, Md.; 180 pounds, St. Louis, Mo.

Calcium Cyanide, 125 pounds, Schenectady, N. Y.

Calcium Silicide, 2,300 pounds, Huntsville, Ala.; 12,280 pounds, Edgewood Arsenal, Md.

Cap Sealing Compound, 119 pounds, Hanford, Calif.

Carbon, Activated, 451,500 pounds, Seattle, Wash.

Carbon Disulfide, 950 pounds, Savannah, Ga.

Carbon, Lavite, 1,000 pounds, St. Louis, Mo.

Carbon Removal Compound, 12,418 gallons, Memphis, Tenn.

Castor Oil, U.S.P., 7,920 pounds, Akron, Ohio; 2,750 pounds, Edgewood Arsenal, Md.

Caulking Compound, 1,020 pounds, Marietta, Ohio; 110 drums, Illiopolis, Ill.

Cellulose, Acetate, 5,389 sheets, Lathrop, Calif.; 3,727 sheets, Memphis, Tenn.

Cement, Adhesive, 12,910 gallons, Bremerton, Wash.; 160 gallons, Orchard Grove, Ill.

Charcoal, Activated, 903,048 pounds, Chicago, Ill.; 166,308 pounds, Fostoria, Ohio; 583,704 pounds, Columbus, Ohio; 109,659 pounds, Akron, Ohio; 387,825 pounds, Lawrence, Mass.; 38,878 pounds, Huntsville, Ala.; 24,780 pounds, Clarksville, Tenn.; 342,422 pounds, Zanesville, Ohio; 117,041 pounds, Hanford, Calif.; 1,599,395 pounds, Edgewood Arsenal, Md.

Coating Material, first coat, 684 gallons, New York, N. Y.

Coating Material, Topcoat, 493 gallons, New York, N. Y.

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Surplus Materials Of Treasury Dep't

The following surplus materials of the U. S. Treasury, Office of Surplus Property, Washington, will go on sale after January 22:—

Alizarin, 1,100 bottles, Denver, Col.

Aloin Tablets, 12,000 bottles, Savannah ASF Depot, Savannah, Ga.; 5,000 bottles, Richmond, Va.

Ammonia Bromide, 2,000 bottles, Richmond, Va.

Ammonia Sulfamate, 1,500 pounds, Richmond, Va.

Biebrich Scarlet, 803 bottles, Richmond, Va.

Bismarck Brown, 700 bottles, Richmond, Va.

Bitumen, 6,000 pounds, San Francisco, Calif.

Caffeine, 3,000 bottles, Denver, Colorado area.

Carbon Bisulphide, 3,000 pounds, Richmond, Va.

Cascara, 4,000 pints, Schenectady, N. Y.; 45,000 pints, Savannah ASF Depot, Savannah, Ga.

Castor Oil, 2,000 gallons, Schenectady, N. Y.

Collodion, 99,990 bottles, Denver, Colorado area.

Coaltar, 900 pounds, Richmond, Va.

Coriander Oil, 1,500 ounces, Richmond, Va.

Cuprie Sulphate, 13,000 pounds, Richmond, Va.

Disinfectant, 495 gallons, Albany, N. Y.

Ethyl Acetate, 117 bottles, Richmond, Va.

Ferric Chloride, 3,996 bottles, Denver, Colo.

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WFA to Sell Calcium Phosphate

War Food Administration is offering for sale to chemical manufacturers and to processors of various foodstuffs eight lots of calcium acid phosphate. These items previously have been offered to the original and like processors.

Offers to buy should be on a pound basis, and should be received by the Sales Branch, Office of Supply, War Food Administration, Washington 25, D. C., not later than 5 p.m., January 23, 1945. Additional information on the offer can be obtained from David S. Ludlum, Sales Branch, Office of Supply, War Food Administration, Washington 25, D. C. The calcium acid phosphate is listed for sale as follows:—

1,407 kegs, 140 lbs. per keg, and 7 cases, 140 lbs. per case; location, New York.

849 barrels, 112 lbs. per barrel; location, Newark, N. J.

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N. Y. Paint Club To Meet January 18

Materials and manpower will be subjects for the business part of the first regular meeting of 1945 of the New York Paint, Varnish and Lacquer Association to be held at the Hotel Biltmore, Thursday, January 18.

From 4 p.m. to 5:30 p.m., A. J. Wittenberg, of the Brown Linseed Oil Company, chairman of the raw materials and allied industries committee, and F. A. Walters, of the Socony Paint Products Company, chairman of the priorities executives and purchasing agents committee, will lead a symposium, "The Availability of Certain Raw Materials and Supplies; Allocation and Priority Trends."

From 5:30 to 6:30, Renshaw Smith, jr., of the Devoe & Raynolds Company, president of the club, will lead a members' forum, "The Manpower Situation Today." This time will be allotted to discussion from the floor pertaining to the influence of the new draft laws and the War Labor Board rulings on the manpower situation. After the business session there will be cocktails at 6:30 and dinner promptly at 7 o'clock.

OPA Names Timm Farm Relations Adviser

Tyrus R. Timm, of College Station, Tex., has been appointed agricultural relations adviser to the Office of Price Administration.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Returning visitors from liberated France say that that country's industries have not suffered near as much damage from the war as was first thought would be the case. There are, of course, numerous plants that have been knocked out completely or severely damaged by Allied bombing during the period preceding and immediately following D-Day; but production facilities on the whole are in pretty good shape.

This is true of chemical plants. Surveys of fats and oils plants indicate that this industry, if it had the materials with which to work, could today be turning out just as much as it did before the war. The great tire manufacturing plant is still complete and could now be turning out tires but for the lack of rubber.

France's greatest trouble is in the lack of transportation. The Allied bombers paid particular attention to blasting the rail facilities to cut the supply lines during German occupation, and these must be repaired before raw materials can again be moving to factories and finished goods out again in any great volume.

Tankcar Troubles

The Interstate Commerce Commission will have to modify its recent regulations boosting demurrage charges on tankcars or the order is going to place too great a burden on chemical plants producing materials for war. Chemical manufacturers say that the order is so drastic that it is doubtful whether some parts of the industry can operate under it.

What, they ask, is going to be done in the case of chemical plants which have no storage facilities for liquids shipped in tankcars that they use daily in their operations? There are many plants, for example, which use chlorine in their operations direct from the tankcar. Also, there is the problem of liquids arriving in a solid state because of the cold weather. Quite often it takes twenty-four hours of steaming to get this material in a condition where it will flow so the cars can be emptied.

Aside from the questionable legality of the commission's ordering demurrage charges to be paid by a company on its own cars on its own sidings, these are but a few of the problems that the order has raised for the chemical industry to wrestle with, and for the commission to deal with when the complaints begin coming in.

Insecticides Abroad

The Department of Commerce is preparing a questionnaire to be sent to the foreign service offices of the Department of State on insecticides and disinfectants in furtherance of its general program of gathering information for the assistance of American industry in the promotion of foreign trade.

The questionnaire is similar to others which have gone out on plastics, organic chemicals, and other products, and calls for information on the productive capacity of the industry abroad and prospects of sales of American products in those areas in the postwar period. The inquiry is to be on a worldwide basis instead of being limited to South America as were the earlier commodity surveys of the department.

Vitamin A Oils Prices

OPA may be coming through with a new price schedule for low-potency vitamin A oils around the end of the month, because it has been found that the higher prices being received for these oils, in relation to the higher potency oils, have been cutting into the supply of the latter.

These so-called "feeding oils" of 6,000 units potency or less were removed from RMPR 203 about a year ago and placed under the fats and oils price schedule at somewhat higher ceilings than existed before. The result was that producers of vitamin A oils began blending down the oils of slightly higher potency to get the relatively better prices prevailing for the feeding oils.

OPA hasn't decided definitely just how it is going to ceil the feeding oil prices, but most of the talk is in the direction of dollars-and-cents ceilings at the various levels of potency up to 6,000 units.

Lame Ducks in Big Jobs

The practice of handing out juicy government jobs to legislators who have been rejected by their constituents for re-election to the senate or house may become an issue in Congress before the session is many months older. Representative Hatton Summers of Texas is moving to have the practice stopped. Being chairman of the judiciary committee and one of the most influential members of the house, he may be able to do something about it.

He isn't mentioning any names, but it is conceded to be more than a coincident that he should introduce legislation (H. J. Res. 61) to outlaw this practice only a few days after former Senator Gillette of Iowa, defeated at the last elections, should be nominated to membership on the Surplus Property Board, which may be in a position soon to exercise the greatest influence of any government agency on the economy of the country. And at a time when former Senator Hattie Caraway of Arkansas is being mentioned for appointment to the Employees' Compensation Commission.

Mr. Summers is proposing to amend the Constitution. His resolution has been referred to his committee by the speaker for consideration. It would prohibit any senator or representative from being appointed to any civil office under the authority of the Federal government during the time for which he was elected or within two years after the expiration of his term of office.

Latin-American Drug Labels

A circular listing requirement as to qualitative and quantitative formulas on labels of patent and proprietary medicines in each of the twenty Latin-American republics has just been made available by the Department of Commerce. Copies of the circular may be obtained upon request from the American Republic Unit, Department of Commerce, Washington 25, or from any field office of the department.

Housing Needs Charted

Studies by the National Housing Administration indicate the need for production of approximately 12,600,000 units of new housing for nonfarm families between 1946 and 1955, or an average of about 1,260,000 a year. About 46 percent will be needed at rent below $30 a month; about 38 percent at rent between $30 and $50 a month, or for sale at prices between $3,000 and $5,000; and about 16 percent at rent above $50 a month or for sale at $5,000 or more.

In terms of 1943 prices, this would mean an annual investment in new housing of about $7,000,000,000. During the ten years, 1920 to 1929, the average annual number of nonfarm units started was 703,000, at an annual cost of more than $3,000,000,000; while during the ten-year period, 1930 to 1939, the average annual number of units started was only 273,000, at an annual cost of slightly over $1,000,000,000.

Church Suppers Cramped

The "O" in OPA, says Representative John Phillips of California, must stand for "Olympus," because he can't think of any other word suggesting a place from which such godlike powers could emanate, self-assumed, of course. Needless to say, Mr. Phillips is more than a little piqued at OPA, the reason being its issuance recently

—*Continued on page 45*

Gov't-Owned Patents Use by Industry Asked

OPD Washington Bureau

The National Patent Planning Commission has recommended to congress the enactment of legislation permitting the sale or issuance of exclusive licenses on government-owned patents in order to insure commercial development of inventions covered by government patents when such action is considered necessary in the public interest.

The recommendation is contained in the second report of the commission, which was forwarded to congress January 10 by President Roosevelt. The commission also recommended establishment of a central control body in the Executive Office of the President to promulgate and supervise general policies regarding the disposal of government-owned patents, and the policies of the various departments relating to inventions of their employees. Other recommendations of the commission were:—

1. The policy regarding the respective rights in employee inventions should not be governed by rigid rules prescribed in advance for all departments and all cases, but should be a matter primarily for departmental treatment. With respect to the two extreme cases, first

—*Continued on page 60*

Crude Oil Price Advisers to Meet

Members of a newly appointed National Crude Oil Industry Advisory Committee will hold first meeting January 15, in Washington, D. C., the Office of Price Administration has announced. This meeting will be attended only by the twenty-three members of the committee and OPA officials. A chairman will be elected at that time. This committee is being appointed to consult with OPA, as representatives of crude oil producers, on problems of an industry-wide nature.

One of the first actions of the committee will be to discuss with OPA the most effective way of carrying out a cost survey of the industry, as recommended by the house committee on small business. This survey will determine if existing crude oil price ceilings are adequate or if an industry-wide increase is needed. The committee, comprising independent producers and representatives of major producing companies, follows:

John G. Pew, of the Sun Oil Company, Dallas, Tex.; E. B. Reeser, of the Barnsdale Oil Company, Tulsa, Okla.; J. P. Jones, of Bradford, Pa.; J. P. Coleman, of McCarty & Coleman, Wichita Falls, Tex.; N. W. Shiarella, of Miller & Shiarella, Owensboro, Ky.; A. C. Rubal, of the Union Oil Company of California, Los Angeles, Cal.; Dana Kelsey, of the Sinclair Prairie Oil Company, Tulsa, Okla.; Charles F. Roeser, of Roeser & Pendleton, Inc., Fort Worth, Tex.; George Bays, of the Stanolind Oil & Gas Company, Tulsa, Okla.; H. M. McClure, of Alma, Mich.; Major B. A. Hardey, of Louisiana Mineral Board, Shreveport, La.; Edwin W. Hayes, of Independence, Kans.; W. H. Morgan, of R. R. Bush Oil Company, Long Beach, Cal.; Howard J. Whitehill, of the Whitehill Oil Corporation, Tulsa, Okla.; J. D. Sandefer, jr., of Breckenridge, Tex.; Raymond B. Kelly, of the Pure Oil Company, Olney, Ill.; E. P. Potter, of the Amerala Petroleum Company, New York; Merle Becker, of W. C. McBride, Inc., St. Louis, Mo.; Carl P. Reistle, of the Humble Oil & Refining Company, Houston, Tex.; James W. Johnson, of the Consolidated Gas Company, Shelby, Mont.; Dr. W. B. Emery, of the Ohio Oil Company, Findlay, Ohio; Gilbert J. Mueller, of the Argo Oil Company, Denver, Col.; G. P. Watson, of the Seaboard Oil Company, Los Angeles, Calif.

WPB Revises Ratings Extension on $25 Orders

A manufacturer who has received a cancellation of an order from a customer need not withdraw any extension of the customer's rating that he has used on orders for material valued at $25 or less, the War Production Board has reported. This action was taken by amending Priorities Regulation 1 for the purpose of eliminating extensive bookkeeping requirements for manufacturers. Extensions of ratings on customers' orders for more than $25 worth of material must be withdrawn on notification of a customer's cancellation, as previously provided in PR-1, Section 944.4a (Cancellation of Preference Ratings), WPB said.

Carbon Black Output Boost Planned by WPB

OPD Washington Bureau

Plans are being formulated by the War Production Board to increase production of channel black, a type of carbon black, by 175,000,000 pounds annually in order to meet the needs of the expanded heavy tire program, FPB has announced. Production of channel black averaged 35,000,000 pounds per month in 1944.

No substantial increase will be possible, however, until the latter part of 1945 or early in 1946, since it will be necessary to construct new facilities. In the meantime, users of channel black may be required to change to other types of carbon black whenever possible.

In order to increase production of channel black, new supplies of natural gas must be found. At the present time, a survey is being made to seek out all supplies of natural gas that may be used. About 375,000,000 cubic feet of gas per day will be required for the increased production, it was explained. Chemicals Bureau officials said that sour and waste gas are utilized as far as possible in the production of channel black.

Another problem that the increased need for channel black will entail is the finding of sufficient manpower. Plants now in operation are hampered by the lack of manpower and those now under construction are not being completed on schedule, also because of the manpower shortage. Almost all carbon black facilities are operating without their full manpower requirements, and many more workers will be needed to operate the plants that must be built, WPB said.

Potash Carbonate Under Allocation

OPD Washington Bureau

Because of the development of new direct military requirements and increases in existing military needs for potassium carbonate, the War Production Board today placed the chemical under allocation control of schedule 85 of order M-300, the general chemicals allocation order, WPB reported.

According to the provisions of schedule 85, consumers are required to file Form WPB-2945 by the 15th of the month preceding the month in which delivery is requested, while suppliers are required to file Form WPB-2946 by the 20th of the preceding month. A one-time base period report on Form WPB-3442 is required of all consumers with their first WPB-2945. This form presents a pattern of normal usage of potassium carbonate during 1944.

In view of the timing of this allocation order, consideration will be given to forms that arrive at WPB after the designated deadline in January, WPB said. In addition to military requirements for the production of explosives, potassium carbonate is used in the production of glass, rubber, pharmaceuticals, textiles, dyes, chocolate, metals and chemicals.

Carbon Black Suit Hearing Set by FTC

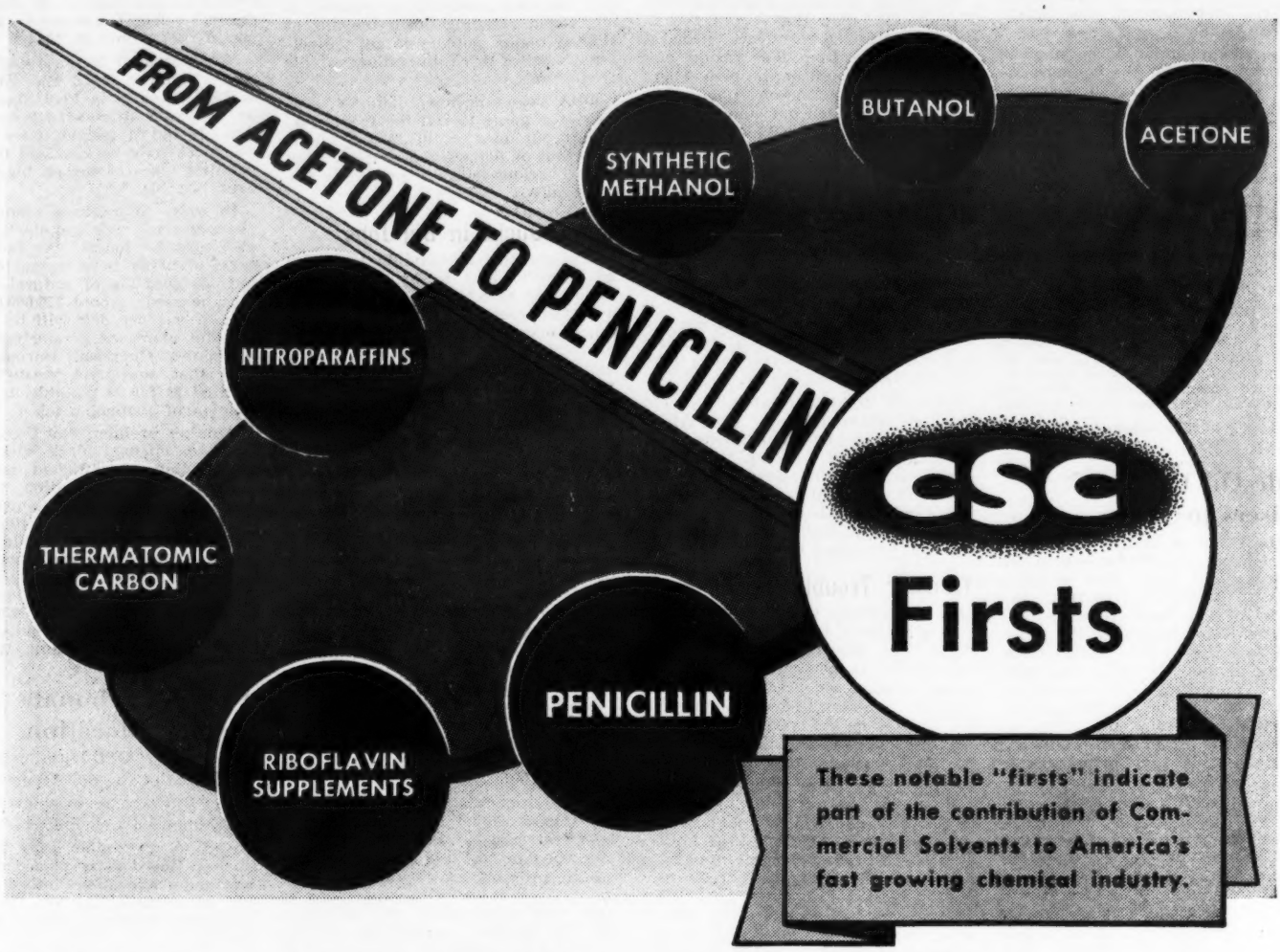
OPD Washington Bureau

The Federal Trade Commission announced January 9 that it was ready to take testimony with relation to its charges of trade restraint against Carbon Black Export, Inc., and several members of the carbon black industry. John W. Norwood, of the commission's trial examiner staff, has been named to have charge of the proceedings.

The taking of testimony will be started February 5 at 10:00 a.m., in the Federal Trade Commission building, Washington.

Can Manufacturers Ass'n Elect Officers

George A. Milton, president of George A. Milton Can Company, Brooklyn, has been elected president of the Can Manufacturers Institute. H. Ferris White has been re-elected executive vice-president and Clifford Sifton has been re-elected secretary and treasurer.



ACETONE was the first industrial chemical to be produced in large volume and high purity by bacterial fermentation processes.

BUTANOL, another bacterial fermentation "first," founded the lacquer industry and enabled it to pace the automotive and other industries into large volume, mass production.

METHANOL, made by high pressure synthesis from fermentation waste gases, was marketed first by C.S.C. Today, C.S.C. also makes synthetic methanol from natural gas.

NITROPARAFFINS, produced solely by C.S.C., are being used in nearly every branch of the chemical industry. In addition, twenty derivatives are now being produced in commercial quantities from the four basic "NPs."

THERMATOMIC CARBON, a filler which imparts heat and tear resistance to natural and synthetic rubber inner tubes and various mechanical rubber goods, was first made by a C.S.C. affiliate, Thermatomic Carbon Co.

RIBOFLAVIN SUPPLEMENTS, essential ingredients of poultry and livestock feeds, are being produced by an exclusive process which involves biological synthesis.

PENICILLIN was first produced on a large scale utilizing the "deep fermentation" process by C.S.C. Production is already fifty per cent greater than rated capacity and increasing every month.

PLUS . . . a long list of lesser known chemicals . . . 2-Methyl-2, 4-pentanediol, Alkaterge-0, Benzyltrimethylammonium Chloride, Isopropylamine . . . all proving invaluable to industry.

COMMERCIAL SOLVENTS
Corporation
17 East 42nd Street, New York 17, N. Y.

Chemicals, Oils, and Drugs Price Records

Industrial Chemicals

	1937.		1939.		1940.		1942.		1944.	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Acid, acetic, 28%.....	$2.53	$2.23	$2.23	$2.23	$2.23	$2.23	$3.38	$3.18	$3.63	$3.38
Chromic, 99%.....	.15¼	.14¾	.15¼	.15¼	.15¼	.15¼	.16¼	.16¼	.16¼	.16¼
Formic, 90%.....	.11	.10½	.10½	.10½	.10½	.10½	.10½	.10½	.10½	.10½
Hydrofluoric, 30%.....	.07	.07	.07	.06	.06	.06	.06	.06	.09	.08
Muriatic, 20°.....	1.15	1.10	1.15	1.15	1.15	1.15	1.15	1.15	1.50	1.50
Nitric, 36°.....	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Oxalic	.10¾	.10¾	.10¾	.10¾	.10¾	.10¾	.11¼	.11¼	.11¼	.11¼
Sulphuric, 60°.....	16.50	15.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
Tannic, tech.....	.40	.19	.40	.40	.54	.40	.71	.71	.73	.71
Alum, ammonia, gran..	3.00	2.75	3.50	3.15	3.50	3.50	4.00	4.00	4.00	4.00
Alumina sulphate, com.	1.35	1.35	1.15	1.15	1.15	1.15	1.15	1.15	1.25	1.15
Ammonia, anhy., com..	.04½	.04½	.04½	.04½	.05	.04½	.05	.05	.05	.0345
Antimony, n'dle, Chin..	.17½	.11½	.20	.12	.25	.18	.20	.19	.22	.20
Arsenic, white.....	.03	.03	.03	.03	.03½	.03	.04	.04	.04	.04
Barium chloride, tech..	77.00	72.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	73.00
Bleaching powder.....	2.00	2.00	2.00	2.00	2.00	2.00	2.50	2.25	3.10	2.50
Calcium acetate.....	2.25	1.65	1.90	1.65	1.90	1.90	3.00	3.00	4.00	3.00
Arsenate	.06½	.06½	.06½	.06½	.06½	.06	.07	.06½	.08	.07
Chloride, flake.....	23.00	22.00	22.00	22.00	22.00	20.50	18.50	18.50	18.50	18.50
Chlorine, liquid.....	2.15	2.15	2.00	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Cobalt, oxide, black....	1.67	1.41	1.84	1.67	.184	1.84	1.84	1.84	1.84	1.84
Copper carbonate.....	.19	.14½	.169	.14	.169	.161	.19¼	.18	.20½	.19½
Sulphate, 99%.....	6.00	4.45	4.75	4.10	4.75	4.60	5.15	5.15	5.00	5.00
Copperas	12.00	12.00	16.00	14.00	16.00	14.00	14.00	14.00	14.00	14.00
Epsom salt, tech.....	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
Glaubers salt, dom.....	.95	.95	.95	.95	.95	.95	1.05	1.05	1.05	1.05
Lead acetate, wh., brok.	.13½	.11	.11	.10	.11	.11	.12½	.12	.12½	.12½
Arsenate	.13	.10	.11	.10	.11	.08½	.11	.09	.06	.05¾
Magnesia, calc., tech...	.23	.23	.26	.26	.26	.26	.26	.26	.26	.26
Magnesium chloride....	39.00	39.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
Manganese sulph., anhy.	.07	.07	.08	.07	.10½	.08	.11¼	.10½	No price	
Nickel salt.....	.13	.13	.13	.13	.13	.13	.13	.13	.13½	.13
Phosphorus, red.....	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40
Potash carbonate, calc.	.06½	.06½	.06½	.06½	.06½	.06½	.06½	.06½	.06½	.06½
Caustic, solid.....	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼
Chlorate, powd.....	.08½	.08½	.10	.08½	.10	.09½	.09¾	.09¾	.09¾	.09¾
Permanganate, tech...	.18½	.18½	.18½	.18½	.19¼	.18½	.19¾	.19¾	.19¾	.19¾
Saltpeter, gran.....	6.50	6.00	6.50	6.50	7.60	6.50	8.20	8.20	8.20	8.20
Soda ash, 58% light....	1.23	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Caustic, solid.....	2.60	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
Chlorate, dom.....	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼	.06¼
Phosphate, tribas.....	2.00	1.85	2.25	2.00	2.25	2.25	2.70	2.70	2.70	2.70
Silicofluoride	.06½	.05¾	.05¾	.04	.03½	.05¾	.12	.05	.07	.06½
Sulphur, crude, mines..	18.00	18.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Tin crystals.....	.45½	.34	.40	.36½	.38½	.36	.39	.39	* No price	

Coaltar Chemicals

Acid, Benzoic, tech.....	.43	.43	.43	.43	.43	.43	.43	.43	.43	.39
Cresylic, high-boil....	.89	.72	.68	.49	.68	.68	.81	.81	.81	.81
Sulphanilic, tech.....	.17	.17	.17	.17	.17	.17	.17	.17	.17	.17
Tobias	.65	.65	.65	.55	.55	.55	.55	.55	.55	.55
Alphanaphthylamine ...	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32
Anilin oil.....	.15	.14½	.15	.15	.15	.15	.15	.15	.11½	.11½
Creosote oil, crude.....	.13½	.13	.13½	.13½	.13¼	.13½	.15½	.15½	.15½	.15½
Dinitrobenzene	.16	.18	.18	.18	.18	.18	.18	.18	.18	.18
Dinitrophenol	.23	.23	.22	.22	.22	.22	.22	.22	.22	.22
Diphenylguanidin	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35
Hexamethylenetetramine, tech.....	.35	.35	.35	.32	.32	.32	.32	.32	.32	.24
Monoamylamine	1.00	.55	.55	.53	.53	.53	.61	.50	.61	.61
Naphthalene, crude, dom.	3.00	2.00	2.25	2.25	2.25	2.25	2.75	2.50	3.00	3.00
Nitrobenzene, d.d.....	.07½	.07½	.07	.07	.07	.07	.07	.07	.07	.07
Paradichlorobenzene ...	.16	.11	.11	.11	.11	.11	.11	.11	.11	.11
Phenol, USP.....	.14¼	.13¼	.14½	.13	.13	.12	.12½	.12½	.10	.10
Phthalic anhydride.....	.14½	.14½	.14½	.14½	.14½	.14½	.14½	.14½	.13	.13
Resorcinol, tech.....	.75	.75	.75	.75	.75	.68	.68	.68	.68	.68
Tar acid oil, 15%.....	.22½	.21	.22	.21	.22	.22	.27½	.27½	.27½	.26½
Xylidin, mixed.....	.35	.35	.35	.35	.35	.35	.35	.35	.35	.35

Dyestuffs, Textiles, and Leather Chemicals

Albumen, egg, edible...	1.05	1.05	.75	.60	.65	.53	1.80	1.73	2.05	1.96
Annatto seed.....	.07¾	.07	.07½	.06½	.06½	.06½	.06½	.06	.08½	.08
Chestnut ext., clarif...	.02¾	.01¾	.01¾	.01¾	.01¾	.01¾	.02¾	.02¼	.02¼	.02¼
Cochineal, gray.....	.36	.32	.37	.35	.37	.37	.37	.37	.37	.37
Corn syrup, 42°.....	4.36	3.11	3.27	2.92	3.47	3.02	3.69	3.52	4.221	3.681
Cutch	.04	.04	.04¼	.04	.04½	.04½	.05¼	.04¾	No price	
Dextrin, corn, white...	4.85	3.45	3.50	3.30	3.80	3.35	4.00	3.95	4.97	4.31
Dye, sulphur black.....	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20
Egg yolk, dried, dom...	.68	.68	.67	.59	.60	.57	1.00	.87	1.15	1.12
Fustic, ext., cryst.....	.22	.20	.24	.22	.24	.24	.24	.16	.16	.16
Gambier, common.....	No price		.07	.06¾	.07	.06	No price		No price	
Hemlock ext., 25% tan.	.03	.02¾	.03	.02¾	.03	.02¾	.0385	.03½	No price	
Hydrogen perox., 100V..	.20	.19½	.20	.20	.16	.16	.16	.16	.15½	.15½
Indigo, synthetic.....	.16½	.13	.16½	.16½	.16½	.16½	.16½	.16½	.16½	.16½
Logwood ext., liq. No. 1	.09½	.08½	.10½	.09½	.10½	.10¼	.12¾	.12¼	.14	.14
Myrobalans, J2.....	23.00	16.75	27.50	17.00	34.00	23.50	60.00	60.00	68.00	51.00
Nutgalls, Aleppo.....	.20	.19	.29	.23	.29	.26	No price		.45	.41
Oak ext., 25% tannin...	.03½	.02¾	.02¾	.02¾	.02¾	.02¾	.0385	.02	No price	
Potash bichromate.....	.08¾	.08¾	.08¾	.08¾	.08¾	.08¾	.09¾	.09¾	.09¾	.09¾
Quebracho, ext., 35%...	.03	.02¾	.03½	.02¾	.04¼	.03½	.05¾	.04½	.04½	.04½
Sago flour.....	.03¼	.02¾	.04	.02½	.04	.03½	.05	.04½	.05	.04¾
Soda bichromate.....	.06¾	.06¾	.06¾	.06¾	.06¾	.06¾	.07¾	.07¾	.07¾	.07¾
Hydrosulphite	.16	.16	.16	.16	.17	.16	.17	.17	.17	.17
Starch, corn, pearl.....	4.33	2.93	2.65	2.45	2.95	2.50	3.10	3.10	4.08	3.46
Sumac ext., No. 1.....	.05¼	.04½	.07	.05¼	.07	.07	.07	.07	.08	.08
Valonia cups.....	37.50	31.75	39.00	30.00	42.00	33.00	No price		No price	

Paint, Varnish, and Lacquer Materials

Acetone, CP.....	.06	.04¾	.06	.04½	.06	.05	.10	.08½	.08	.07
Alcohol, butyl, norm....	.09	.09	.09	.07	.09	.08	.15¼	.13½	.1880	.1730
Denatured, S-1.....	.27	.26	.22½	.19½	.27½	.24½	.53	.53	.50	.50
Amyl acetate, ex fusel.	.11½	.10½	.12½	.09½	.12½	.11½	.14½	.14½	.14	.11½
Barytes, dom., floated..	31.50	31.50	31.50	31.50	31.50	31.50	27.65	27.65	27.65	27.65
Benzol, 90%.....	.16	.16	.16	.16	.16	.14	.20	.20	.15	.15
Black, carbon, standard	.0535	.0410	.0375	.0375	.0395	.0375	.03625	.03625	.03625	.03625
Blue, Prussian.....	.36	.36	.36	.33	.33	.33	.36	.36	.36	.36
Brown, sienna, Amer., burnt	.03	.03	.03¼	.03	.03¼	.03¼	.03¾	.03½	.03¾	.03¾
Casein, domestic.....	.19½	.13	.20	.07	.16	.10	.31	.14	.24	.22
Cellulose acetate, flake..	.55	.40	.36	.35	.35	.30	.30	.30	.30	.30
Ethyl acetate, 85%.....	.06½	.06½	.06½	.051	.06¼	.06½	.12	.12	.1070	.1070
Green, chrome, to 5%...	.21	.20	.21	.21	.21	.21	.23¼	.23	.23	.23
Gum, copal, Congo.....	.46	.42¾	.49½	.34¾	.49½	.49½	.49¼	.49½	.55¾	.55¾
Dammar, Bat., A/E..	.17¼	.14½	.13¾	.11⅞	.13⅜	.12⅞	.25¾	.25¾	.25¾	.25¾
Ester	.11½	.09	.06¼	.06	.06¼	.06¼	.06¼	.08½	.09¾	.09¼
Lead, red, 95%, dry....	.10¼	.07¼	.0810	.0735	.0810	.0740	.06¼	.086	.09¼	.09¼
White, bas. carb.....	.09	.0675	.07	.07	.075	.07	.08¼	.07¾	.08½	.08½
Litharge, common.....	.09¼	.06¼	.0710	.0635	.071	.064	.08¾	.070	.08¼	.08¼
Lithopone, ordinary....	.04½	.04½	.04½	.0375	.0385	.0360	.04¼	.04¼	.04¼	.04¼
Nitrocellulose, a/s.....	.22	.22	.28	.28	.28	.28	.28	.28	.28	.28
Oil, chinawood.....	.24	.11½	.25	.14	.26	.21	.3375	.3375	.338⅞	.338⅞
Linseed, raw.....	.107	.093	.102	.078	.102	.077	.1360	.1060	.1470	.1470
Menhaden, crude.....	.45	.34	.36	.21	.36	.21	.3680	.60	.65¾	.65¾
Perilla	.15½	.10½	.15½	.089	.21	.15⅝	.2380	.21½	.2450	.2450
Sardine, crude.....	.54½	.35	.38	.22	.45	.24½	.66½	.60	.66¾	.66¾
Soybean, crude.....	.1060	.0600	.0650	.0450	.0650	.0425	.12¼	.11¾	.11¾	.11¾
Red, Indian, pure.....	.08¾	.08¾	.08¾	.08¾	.08¾	.08¾	.09¼	.09¼	.09¼	.09¼
Rosin, gum, F.....	9.50	6.05	6.60	5.35	6.70	1.80	4.14	3.27	6.60	4.65
Shellac, T.N.....	.14	.12	.19	.09½	.19	.13	.34	.31	.3550	.3550
Titanium dioxide, reg...	.16	.16	.14	.13	.15½	.13	.14½	.14½	.14½	.14½
Toluol, pure.....	.30	.30	.25	.22	.27	.25	.33	.33	.33	.33
Turpentine, spirits, gum	.42¼	.31½	.34½	.28½	.38⅝	.31½	.82¼	.69	.87¾	.84½
Whiting, chalk, com....	12.00	12.00	12.00	12.00	16.00	12.00	18.00	18.00	18.00	18.00
Xylol, common.....	.30	.30	.27	.26	.27	.26	.27	.27	.27	.27
Yellow, chrome, CP.....	.14½	.13	.14½	.13½	.13½	.13½	.16¼	.16	.16	.16
Zinc oxide, lead-free....	.06½	.05½	.06¼	.06¼	.06½	.06¼	.07¼	.07¼	.07¼	.07¼
Stearate, tech.....	.20	.20	.23	.20	.23	.22	.31	.30	.29	.29

Oils, Fats, and Waxes

	1937.		1939.		1940.		1942.		1944.	
	H.	L.	H.	L.	H.	L.	H.	L.	H.	L.
Acid, stearic, doub-pres.	.12½	.11	.12½	.10	.12	.09	.1580	.1400	.15⅞	.15⅜
Degras, common.....	.08¼	.07½	.10	.07	.09½	.08	.12½	.08¾	.10	.10
Lard, Western, choice..	14.30	8.80	8.75	5.75	7.05	4.85	13.80	10.50	.1380	.1380
Oil, castor, No. 3.....	.09½	.09½	.11½	.07½	.12	.09	.13	.12¾	.18¾	.13¾
Coconut, crude.....	.08½	.03⅞	.04⅝	.02½	.03⅝	.02¾	.0930	.0835	.0835	.0835
Cod, NF.....	.52	.48½	.72	.32	.72	.60	.90	.78	.90	.85
Corn, crude.....	.10½	.06½	.07¼	.04⅞	.06⅝	.05½	.12¾	.12	.12¾	.12¾
Cottonseed, crude.....	.10½	.05¾	.06¾	.04¼	.06¼	.04¼	.12¾	.12¼	.12¾	.12¾
Neatsfoot, pure.....	.18¼	.16¾	.20¼	.14¾	.19¼	.15¼	.19¼	.17¾	.18¼	.18¼
Oleo, No. 1.....	.14	.12½	.12	.08	.08	.07¼	.18¾	.13¼	.13¼	.13¼
Olive, denatured.....	1.60	1.15	1.40	.80	2.40	.93	4.40	3.50	4.20	4.10
Palm, Niger.....	.07½	.04	.05	.03⅝	.05	.03¼	.09¼	.09	.0865	.0865
Peanut, crude.....	.10¾	.06⅜	.07¼	.05⅝	.06¾	.05¼	.13	.13	.1300	.1300
Red	.10¾	.08¾	.08½	.06¼	.08	.05¾	.1245	.1100	.13¼	.12¼
Whale, ref., nat.....	.107	.081	.091	.077	.091	.091	.1070	.1070	.1187	.1187
Tallow, extra, loose....	.09¼	.05¾	.07	.04⅝	.05¾	.03¾	.0971¼	.0862¾	.08⅜	.08⅜
Wax, bees, yellow, Af..	.29½	.25	.29	.27	.30	.23	.49	.37½	.40	.37½
Candelilla	.15½	.13	.18½	.15½	.19	.18	.38	.33	.38	.34½
Carnauba, 3 chalky...	.38	.33	.45	.28	.57	.45	.78	.71¼	.73½	.71¼
Spermaceti	.23	.23	.22	.18	.24	.22	.26	.24	.27	.26

Drugs and Fine Chemicals

Acetanilide, USP.....	.29	.24	.30	.30	.30	.30	.34	.30	.36	.36
Acid, acetylsalicylic, USP	.60	.50	.50	.40	.40	.40	.40	.40	.40	.40
Boric, tech.....	95.00	95.00	96.00	96.00	96.00	96.00	99.50	95.50	99.00	99.00
Citric, cryst.....	.25	.24	.22	.20	.20	.20	.20	.20	.20	.20
Phosphoric, USP, 50%	.14	.12	.12	.12	.12	.12	.10½	.10½	.10½	.10½
Tartaric, USP.....	.24¾	.21¾	.31¼	.27¼	.46¼	.31½	.70½	.70½	.70½	.70½
Agar, No. 1.....	1.15	.72	1.50	.90	1.50	1.40	4.75	3.50	3.50	3.50
Atropine sulphate.....	2.85	2.20	4.00	2.50	5.45	4.00	21.00	18.75	8.10	5.90
Bismuth subnitrate.....	1.30	1.13	1.48	1.33	1.48	1.48	1.20	1.20	1.20	1.20
Borax, tech.....	42.00	40.00	43.00	43.00	43.00	43.00	41.50	41.50	41.50	41.50
Bromine, purif.....	.36	.30	.30	.30	.30	.25	.25	.25	.25	.25
Caffeine	2.20	2.05	2.20	2.20	2.60	2.20	2.60	2.60	2.80	2.80
Camphor, nat., tabs....	.60	.55	.82	.53½	.90	.85	1.60	1.60	No stocks	
Chloroform, tech.....	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20
Corrosive sublimate.....	1.22	1.05	1.99	1.05	2.24	1.89	2.24	2.24	2.34	1.68
Cream tartar.....	.19¾	.15	.25½	.22¼	.38¾	.22¼	.57½	.57½	.57½	.57½
Formaldehyde	.05¾	.05¾	.05¾	.05¾	.05¾	.05½	.05½	.05½	.0400	.0320
Glycerin, USP.....	.21½	.14	.29	.19½	.12¼	.12½	.18	.18	.18	.15
Iodine, resub.....	1.50	1.50	2.00	1.75	2.00	1.75	2.00	2.00	2.00	2.00
Menthol, natural.....	3.45	3.10	3.35	2.90	3.65	3.45	14.00	13.00	16.50	13.00
Methanol, nat., denat..	.45	.30	.40	.35	.40	.40	.60	.60	.63	.63
Synthetic	.35½	.33	.33	.33	.33	.30	.28	.28	.29	.28
Methyl chloride.....	.37	.32	.32	.32	.32	.32	.32	.32	.32	.32
Salicylate	.40	.32	.35	.35	.35	.35	.35	.35	.35	.35
Oil, codliver, USP.....	27.50	25.00	40.00	20.00	70.00	32.00	85.00	72.00	80.00	76.00
Opium, gum, USP.....	11.50	11.50	11.50	11.50	11.50	11.50	13.00	13.00	13.00	13.00
Phenolphthalein, USP...	.85	.75	.85	.85	.85	.85	.85	.85	.85	.85
Potash bromide.....	.31	.31	.31	.31	.31	.27	.27	.27	.27	.27
Quicksilver, dom.....	97.00	81.00	160.00	77.00	200.00	154.00	212.00	191.00	190.00	98.00
Quinine sulphate.....	.59½	.59½	.64	.61	.67	.64	.80½	.80½	.80½	.80½
Rochelle salt, powd....	.16	.13½	.20¾	.17¾	.29¼	.20¾	.42½	.42½	.42½	.42½
Santonin, cryst.....	43.00	25.00	130.00	21.00	150.00	130.00	210.00	210.00	210.00	200.00
Silver nitrate.....	33⅜	.32½	.31½	.27	.26⅞	.26⅞	.32⅜	.26¾	.32¾	.32¾
Soda benzoate, USP.....	.39	.39	.46	.39	.46	.46	.46	.46	.46	.46
Bicarbonate, USP.....	1.85	1.75	1.85	1.70	1.85	1.70	1.85	1.85	2.10	1.85
Strychnine	.48	.48	.60	.50	.60	.60	.70	.70	.70	.70
Thymol	1.65	1.55	1.55	1.45	1.55	1.45	3.00	2.75	2.40	2.40
Trichloroethylene	.089	.089	.09	.08	.08	.08	.08	.08	.08	.08

Botanical Drugs, Spices, and Gums

Belladonna leaves.....	.14	.14	.30	.12½	.93	.24	3.45	1.60	1.00	.90
Root	.12	.10	.40	.13	2.00	.40	2.25	1.30	1.50	.90
Black haw root bark..	.33	.21	.24	.20	.29	.24	.40	.39	.95	.70
Buchu leaves.....	.65	.50	.80	.30	.80	.62	.80	.74	.80	.80
Cascara sagrada, bark..	.14½	.11¾	.14	.10	.15	.14	.28	.20	.32	.30
Chamomile flow., Hung.	.28	.20	.60	.20	1.50	.35	.80	.60	.58	.45
Cinchona bark, short...	.50	.50	.72	.40	.75	.70	1.25	.85	1.20	1.20
Clover tops, dom.....	.14	.12	.38	.12	.40	.30	.33	.26	.55	.45
Cramp bark, NF.....	.25	.19	.23	.20	.23	.23	.60	.30	.80	.60
Digitalis leaves.....	.65	.25	.40	.35	.35	.35	.50	.45	.60	.60
Ergot, USP.....	2.05	1.50	3.50	1.25	3.85	1.70	1.70	1.25	1.40	1.30
Ginger root, Cochin.....	.18¼	.14½	.09½	.06¼	.10¾	.09½	.39	.26	.28	.24½
Goldenseal root.....	3.60	2.85	3.60	2.75	3.85	2.75	4.75	3.95	7.50	5.75
Gum, arabic, sorts.....	.14½	.09¾	.19	.09	.17½	.10	.22	.14	.13½	.11½
Myrrh, USP.....	.45	.35	.65	.39	.60	.45	.78	.60	.50	.50
Tragacanth, No. 1....	2.75	2.40	2.50	2.25	3.50	2.50	3.75	3.25	5.00	4.00
Henbane leaves.....	.29	.19	.65	.14½	1.75	.60	3.25	1.85	1.25	.80
Jalap root, NF.....	.17	.17	.24	.15	.35	.24	.65	.45	.45	.37
Lobelia herb.....	.14	.12	.12	.11	.19	.12	.50	.33	1.00	.40
Mandrake root.....	.18	.09½	.11	.09	.12	.11	.25	.18	.23	.23
Marjoram, French type.	.20	.17	.35	.16	.52	.25	4.00	2.75	.75	.45
Papain, powd.....	2.75	.90	2.10	1.10	1.60	1.40	1.10	.84	2.50	2.05
Pyrethrum flowers.....	.18	.12¾	.33	.26	.33	.23	.27	.21	.31½	.27
Rhubarb root.....	1.15	.32	.55	.35	.58	.40	1.20	.75	.85	.75
Sarsaparilla root, Mex..	.20	.15	.19	.13	.19	.15	.22	.19	.23	.18
Senega root.....	.60	.36	.85	.65	.90	.67	.95	.59	1.10	.90
Senna leaves, Tinn.....	.11	.10	.14	.09	.12	.12	.16	.14	.16	.16
Soapbark, whole.....	.07	.07	.23	.07	.23	.13	.13	.09	.11¾	.11¾
Stramonium leaves.....	.11	.11	.17	.13	.45	.17	.50	.27	.22	.21
Tonka beans, Angos.....	2.50	2.50	2.40	2.40	2.40	2.40	3.00	2.40	2.50	2.00
Uva ursi leaves.....	.25	.11	.11	.08	.11	.10	.25	.20	.22	.19
Valerian root.....	.12	.09	.27	.09½	.95	.27	1.70	1.15	.65	.55
Vanilla beans, Mexican.	4.50	4.00	6.50	5.00	9.50	6.00	16.00	11.00	11.00	9.00
Wild cherry bark.....	.04½	.04½	.07	.04½	.07	.07	.09½	.07	.18	.13

Essential Oils and Aromatic Chemicals

Alcohol, benzyl.....	.68	.63	.63	.63	.63	.63	.63	.63	.63	.63
Citronellol	1.80	1.75	1.60	1.60	1.60	1.60	6.00	1.75	6.00	6.00
Coumarin	3.00	3.00	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
Ionone, alpha.....	3.25	1.80	2.50	2.50	2.75	2.50	2.75	2.75	4.60	3.35
Oil, anise, USP.....	1.45	.70	.85	.63	.85	.68	3.50	2.10	4.00	3.50
Cassia, USP.....	1.25	.90	1.20	.88	1.50	1.20	11.00	10.00	12.00	12.00
Citronella, Ceylon.....	.42	.32	.46	.34	.46	.37	1.70	1.05	1.00	.90
Clove, USP.....	1.25	1.05	1.35	.95	1.33	1.05	1.75	1.40	1.65	1.65
Eucalyptus, Austral..	.44	.39	.59	.33	.66	.59	.90	.70	1.20	1.00
Geranium, Bour.....	4.75	3.75	3.25	2.40	14.00	2.40	25.00	17.00	14.00	11.00
Lavender, spike.....	.95	.95	1.15	.95	1.35	1.05	4.15	2.75	3.50	3.50
Lemon, Calif.....	3.50	2.50	3.00	2.00	3.25	3.00	3.25	3.25	3.25	3.25
Lemongrass	.55	.42	.85	.52	.85	.65	2.75	1.30	1.55	1.05
Lime, dist.....	6.10	5.40	4.15	3.00	4.75	3.60	13.00	3.25	7.00	6.50
Orange, exp., Calif...	3.25	1.75	1.50	.75	2.00	1.50	3.25	2.25	1.45	1.10
Peppermint, nat.....	2.40	2.15	2.75	2.05	2.85	2.35	7.60	5.30	7.50	6.00
Sandalwood, Indian...	5.25	4.80	5.50	4.50	5.50	4.95	6.00	5.85	7.50	6.75
Sassafras, artif.....	.39	.31½	.75	.34	.75	.70	2.00	2.00	1.25	1.05
Spearmint, USP.....	1.90	1.65	2.00	1.70	2.50	2.10	3.25	3.00	4.00	4.00
Wormseed	2.90	2.00	3.35	2.00	4.50	3.00	3.00	2.75	5.50	5.00
Terpineol, C.P.....	.23	.23	.25	.23	.25	.23	.40	.33	.35	.35
Vanillin, ex guaiacol....	3.55	3.10	2.50	2.10	2.50	2.50	2.35	2.35	2.35	2.35

Petroleum Products

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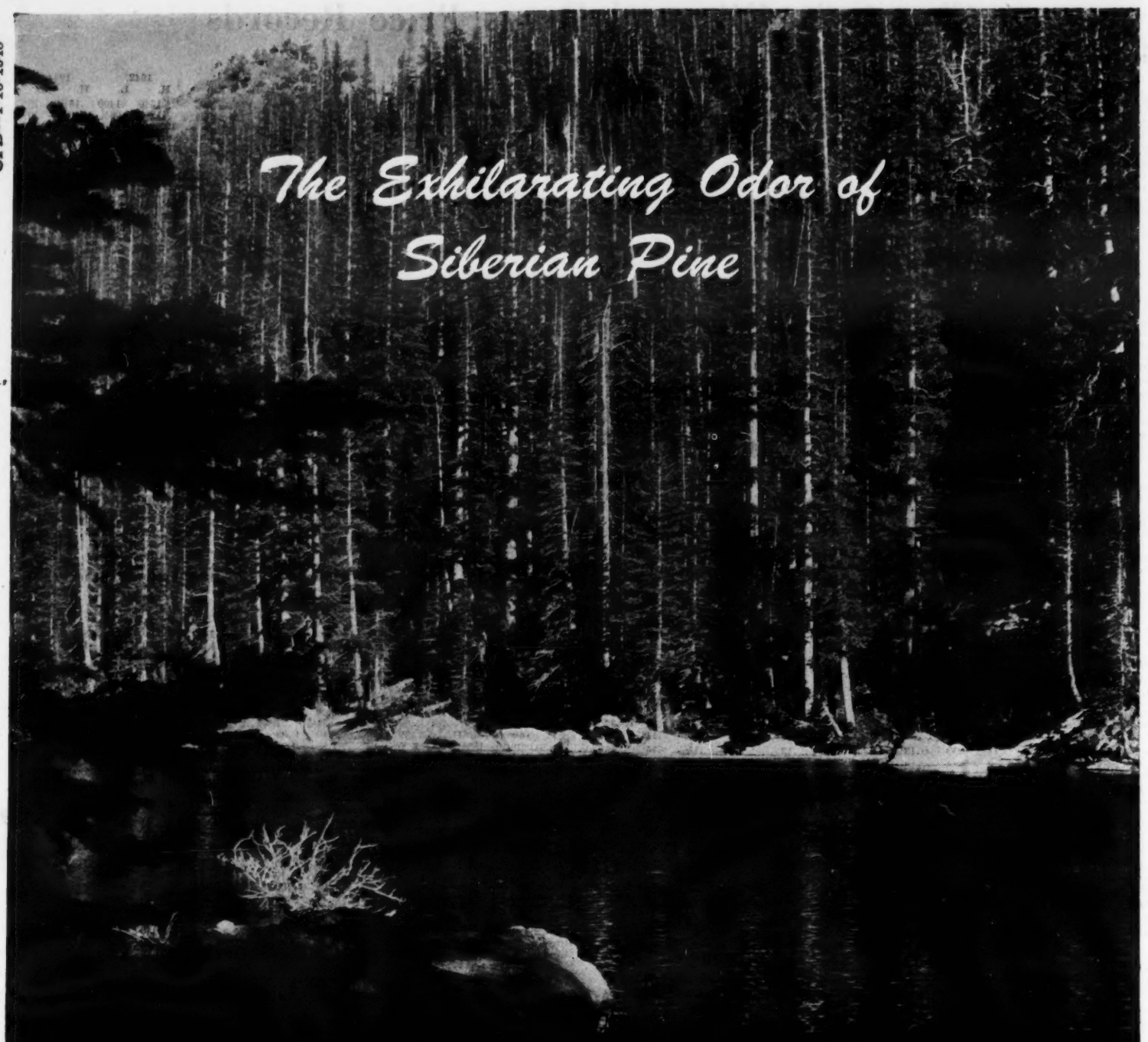
OPD—1-15-1945



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Testing Sample and Schedule of Attractive Prices on Request

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Current Market Quotations Chemicals and Related Materials

January 12, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde,[4,6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37

Acetic anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1,6] dms., c.l., dlvd. E.*..lb. .08 - —
l.c.l., dlvd. E.*.....lb. .08¼- —
tanks, dlvd. E.*.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.55 - 1.60

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
36%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks.....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid prices ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride,[6] (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis, lb. .46 - .59

Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic,[6] fib. dms., works....lb. .31 - —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous[3] tech. (see Arsenic, White).
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic,[1], USP, dms., 500-kilo lots..kilo.24.50 - —
50-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo.....kilo.26.41 - —
500 gram .....kilo.27.47 - —

Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs. up...lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs. .....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Betaoxynaphthoic, bbls., works, lb. .95 - —

Boric,[3] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Acid, butyric, 99%, dms., c.l., works..lb. .29 - —
l.c.l., same basis....lb. .30 - —

Broeners, bbls.....lb. 1.11 - —

Cacodylic, 5-lb. bots.....lb.22.00 - —

Camphoric, cns.....lb. 6.95 - 7.00

Capric, tech., ret. dms.....lb. .21½- .22

Caprylic, tech., ret. dms...lb. .27 - .27½

Castor oil,[5] split, ret, dms...lb. .20¾- .21¼

Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works .....lb. .03½- .04½
tanks, works .....lb. .02½- —

Chromic,[6] 99¼-99¾%, dms., c.l., lb. .16¼- —
l.c.l. .....lb. .16¾- .17¼

Cinnamic, refd., bots.....lb. 3.50 Nom.

Citric[1,6] anhyd., gran., dms., c.l...lb. .22½- —
10,000 lbs., 1 ship't...lb. .23 - —
smaller lots .....lb. .23½- .26½
kgs.....lb. .24 - —

USP, cryst., gran., bbls., c.l.lb. .20 - —
10,000 lbs., 1 ship't...lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms.....lb. .23 - .24
kgs.....lb. .21½- —

Powd., citric acid, ½c. higher.

Cleve's, bbls.....lb. .65 - —

Coconut oil,[1,5] dist., dms....lb. .15½- .17½

Corn oil, s.d., dms., c.l., works, lb. .12 - —

Cottonseed oil,[1,5] s.d., dms., c.l...lb. .12 - —
tanks, dlvd.....lb. .14¼- —

Cresylic,[2,6] dom. (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —

(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal. ref.....gal. .510 - —
Sewaren, N. J., ref..gal. .636 - —
tanks, dlvd.....gal. .586 - —

light grade (200°-246°), tanks, Cal. ref..gal. .690 - —

medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref.gal. .636 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, dlvd.....gal. .646 - —

Diethylbarbituric (see Barbital).

F (see Acid, Monosulphonic).

Formic, dom., 85%, cbys., c.l., works..lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l. .....lb. .11 - .11½

Fumaric, tech., bbls., dms...lb. .27 - .31

Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15

Gamma, bbls.....lb. .85 - —

Gluconic, bbls., 500 lbs.....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15

Glutamic hydrochloride, dms., lb. 2.00 - 2.40

Glycolic (see Hydroxyacetic).

H, bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —

Hydrobromic, conc., cbys....lb. .35 - .37
dil., cbys.....lb. .20 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works....lb. .80 - 1.00

Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basic acid content..lb. .08½- —

Hypophosphorous, USP, djns., lb. .75 - .77

Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
80%, bbls., cbys., 5 cbys..lb. .26 - —
1 to 4 cbys.....lb. .26½- —

tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works...100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —

light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —

USP XII 88%, cbys.....lb. .54 - .57
USP VIII, 75% cbys.....lb. .52 - .55

Lauric, dist., 95%, dms.....lb. .28 - —

Laurent's, bbls.....lb. .45 - —

Linseed oil,[5] light, dms.....lb. .21½- .22

Maleic,[6] powd., dms.....lb. .30 - —
anhydride (see M).

Malic, powd., kgs.....lb. .47 - —

Acid, mandelic, USP., dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots .....lb. 2.10 - 2.30

Mixed, tanks, nitric unit....lb. .06 - .06
sulphuric, unit .....lb. .0085- .009

Molybdic, kgs., works.....lb. .95 - 1.10

Monochloroacetic, tech., 80%, bbls..lb. .17 - —
purified, bbls. .....lb. .20 - —

Monosulphonic, bbls. .....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works .....100 lbs. 1.05 - —

20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —

22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —

CP, USP, consumers, cbys.lb. .08 - —
6-lb. bots.....lb. .19 - —
dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —

Myristic, dist.. dms.....lb. No stocks.

Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works .....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —

Nicotinic,[6] USP, dms., 50-kilo lots up..kilo. 7.00 - —
10-kilo lots .....kilo. 7.10 - —
2½-kilo lots .....kilo. 7.20 - —
1-kilo lots .....kilo. 7.30 - —

Nicotinic amide (see Nicotinamide).

Nitric,[6] 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —

CP, USP, consumers, cbys.lb. .13 - —
7-lb. bots. .....lb. .23 - —
dealers, cbys. .....lb. .11½- —
7-lb. bots. .....lb. .21½- —

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming).

Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs. .....lb. .11½- —
smaller lots .....lb. .12½- —

Palm oil,[5] white, dist., dms.lb. No stocks.
tanks .....lb. No stocks.

Para-aminobenzoic, cns. ...lb. 1.40 - —

Paranitrebenzoic, cns. .....lb. .72 - —

Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —

Peanut oil,[1] s.d., tanks, dlvd., lb. .11¼- —

Phenylacetic, bots. .....lb. 1.85 - 3.00

Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area...100 lbs. 4.00 - —

75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area...100 lbs. 4.75 - —

USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works...lb. .18½- —

Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP., cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65

Pyroligneous, bbls., dlvd. E.gal. .80 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).

Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44

Sebacic, tech., dms., works..lb. .55 - .57

Soybean oil,[1,6] s.d., dms.....lb. .14½- .18½
tanks, works.....lb. .11 - —

Stearic,[1,5] double-press, bgs..lb. .15⅞- .16⅞
single press, bgs.....lb. .15⅝- .16⅝
triple press, bgs.....lb. .18⅝- .19⅝

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —

Sulphuric,[6] 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 uj, works.100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys.lb. .68 - —
9-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
fuming, 20%, tanks, E. works, ton.19.50 - —

Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Acid, tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70¼- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —

Thioglycolic, basis 100%, highly purified, bbls., cbys..lb. 5.00 - 7.10

Tobias, bbls.....lb. .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —

Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.10 - 1.15

Acetic hydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.00 - —

Acrylonitrile, dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works...lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —

Adeps lanae,[1] USP, anhyd., pharmaceutical, dms., works, lb. .30 - —
cosmetic, dms., works..lb. .31 - —

Adeps lanae prices for primary distributors f.o.b. St. Louis, 1c. higher.

Agar .....lb. 3.50 - —
San Diego, Cal. .....lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd., bbls.....lb. 2.07 - 2.10
granular, cryst., bbls.....lb. 2.02 - 2.05
tech., cryst., bbls.....lb. 1.40 - 1.55

Alcohol, allyl, dms., c.l., dlvd.lb. .29 - —
l.c.l., dlvd.....lb. .30 - —

Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —

Benzyl, cns. .....lb. 65 - .75
dms. .....lb. .63 - —

Butyl, normal,[1,6] ferment., Ill., Ind., prod., dms. frt. alld. lb. .1980- —
l.c.l., frt. alld. E...lb. .2030- —
tanks, frt. alld. E....lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —

Capryl,[6] dms., c.l., works..lb. .17½- —
l.c.l., works .....lb. .18½- —
tanks, works .....lb. .16 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots .....lb. 1.90 - 2.00

Cinnamic, bots.....lb. 4.00 - 4.25

Denatured,[1,3,6] CD14, dms., c.l., works, E..gal. .57 - —
19, dms., works, E....gal. .59 - —
1 to 18 dms., works, E..gal. .62 - —
tanks, E. dlvd.....gal. .50 - —
tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .57 - —
19, dms., E. works..gal. .59 - —
1 to 18 dms., E. works, gal. .62 - —
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .55 - —
19 dms., works, E...gal. .59 - —
1 to 18 dms., works, E. gal. .60 - —
tanks, E. works.....gal. .48 - —

SD23G (replaced by SD28H).

SD23H, works, c.l., dms..gal. .56¼- —
19 dms. .....gal. .58½- —
1 to 18 dms. .....gal. .61¼- —
tanks, E. works.....gal. .49½- —

SD29, denatured, with acetaldehyde, dms., c.l., E. works, gal. .56½- —
19 dms. or more, E. works..gal. .60 - —
1 to 18 dms., E. works, gal. .63 - —
tanks, E. works.....gal. .49½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .58 - —
19 dms. to c.l.....gal. .60 - —
1 to 18 dms.....gal. .63 - —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[2,6] acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .11¾- .15
tanks, dlvd.....lb. .10¼- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11¼- .14
tanks, dlvd.....lb. .10 - .12½

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order (L order)

[4]—General Preference Order (M order)

[5]—Conservation Order (M order)

[6]—Allocation

Alcohol, ethyl,[6] 190 pf., dms., c.l..gal.17.67 - —
19 dms.....gal.17.70½- —
1 to 18 dms.....gal.17.73½- —
tanks .....gal.17.60 - —
absolute, dms., c.l.....gal.18.62 - —
19 dms.....gal.18.65½- —
1 to 18 dms.....gal.18.68½- —
tanks .....gal.18.55 - —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., dlvd..gal. .66½- —
55 gals., c.l., dlvd....gal. .59 - —
l.c.l., dlvd.....gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., dlvd.gal. .65 - —
55 gals., c.l., dlvd....gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb.. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63
tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldol,[6] dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.40 - 2.50
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).

Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .17 - .17½
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs. .....lb. .57 - .58
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks..gal. .85 - —
l.c.l., works.....gal. .87½- —
tanks, works.....gal. .82 - —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia,[6] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works..lb. .35 - .67
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd..lb. .10½- .11
solut., 20%, bbls., dlvd...lb. .09½- .10

Alumina chloride, anhyd,[6] com'l, bbls., c.l., works..lb. .08 - .08¼
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works .....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solut., 12-20° Be. bbls., c.l., works..lb. .09½- —
l.c.l.. works .....lb. .10 - —
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works .....lb. .04 - —
light, bgs., dlvd.....lb. .14½- —
bbls.. dlvd. .....lb. .15 - —
Hydroxide, gel, tech., min. 15% AOH_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis...lb. .03 - .03¼
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9½% Al_2O_3, fib. dms., works, lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec. bbls.....lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —

Alumina sulphate, com'l, bgs., c.l., works, frt. equald.. 100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works.. 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
trihydrate, heavy bgs., wks.. lb. .024 - .035
Aluminum, 98-99%,[2,3,4] c.l....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-dm..lb. .56 - .60
ink, 150-lb. dm. .....lb. .71 - —
standard, 200-lb. dm.....lb. .53 - —
Powder, lining, extra fine, 150-dm..lb. .92 - —
litho, 159-lb. dm.....lb. .57 - —
standard, 200-lb dm.....lb. .59 - —
rubber comp., 200-lb. dm...lb. .40 - —
unpolished, stand., dms...lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 6c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.13.50 -14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .14½- —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs. up, frt. alld..lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls., kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .08½- .09¼
cns. .....lb. .14¼- .17¾
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
Fluoride,[6] bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate.
domestic, bgs., c.l., shipping points..ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech, bgs., works.....100 lbs. 4.35 - 8.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-Limestone, 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate,[6] kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08¼
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride,[6] bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .18½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07¼- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works .. lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, basis 100%, highly purified, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .16½
l.c.l., dlvd. .....lb. .13 - .19
tanks, dlvd. .....lb. .11½- .17½
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms. .....lb. .75 - .90
Caproate, dms. .....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .08 - —
tanks, works .....lb. .06 - —
Ether, dms., c.l., works....lb. .09½- —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .08½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Oleate, dms., works.....lb. .81 - —
Salicylate, bots. .....lb. .80 - 1.25
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10¼- —
l.c.l., works .....lb. .11 - —
tanks, works .....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works...lb. .657 - .662
NF, dms. .....lb. 2.60 - —
Angelica atropurpurea root, dms., lbs..lb. .80 - 1.35
Angostura bark, bls.....lb. .20 - .21
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11¼- —
l.c.l., works, frt. alld....lb. .12¼- —
tanks, works, frt. alld....lb. .10¼- —
Salt, dms., works.....lb. .22 - .24

Turn Back the Clock to 1920

Compare this view of Manhattan as it looked in 1920 with the way it looks today. Twenty-five years have made a difference... the city has moved forward...grown bigger...taller... and the story of its progress is etched in its skyline.

Organized in 1920, the Witco Chemical Company, too, has grown swiftly and steadily... from a small office with a personnel of four to a world-wide organization. Now entering its second quarter of a century with a list of more than 200 chemicals, oils, pigments, asphalts, and other products, Witco is prepared to meet the chemical requirements of a fast expanding industrial world.

Witco invites you to test the quality of its products... to use the facilities of its modern research laboratory and the services of its experienced research staff.

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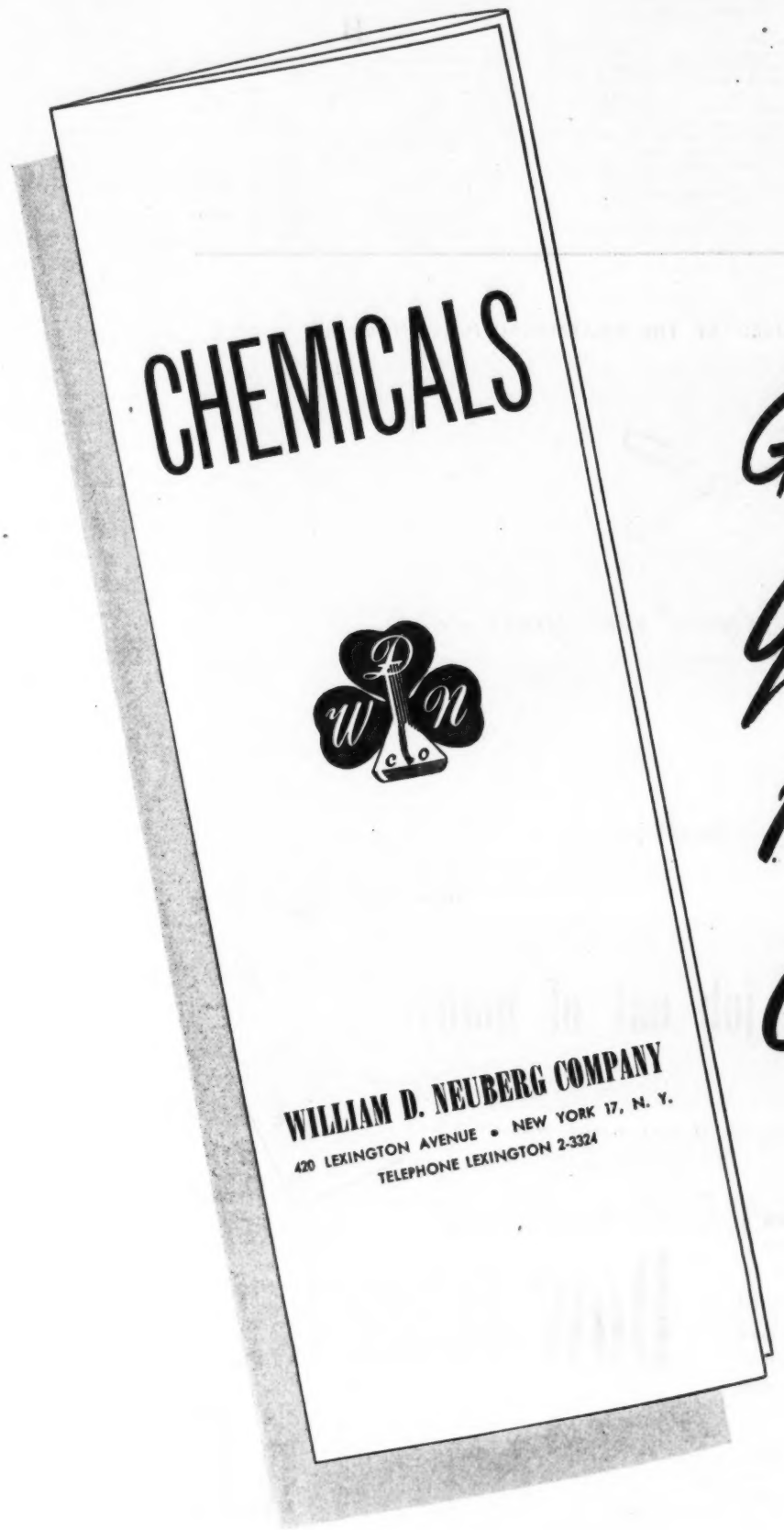

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Anise [1] Cyprus, bgs.....lb. .29 - .30
Bulgarian, bgs. .....lb. .29 - .29½
Mexican, recleaned, bgs.....lb. .17½- .18
Syrian, bgs. .....lb. .20 - .21
Turkish, bgs. .....lb. No stocks.
Anisic aldehyde, bots.....lb. 3.35 - 3.50
Annatto,[5] paste, bxs.....lb. .34 - .39
Seed, bgs. .....lb. .08½- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17½
Needle,[1] Bolivian, brown, 67% cs..lb. .18½- —
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots .....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple Syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks.
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity.70.00 -72.00
Arnica flowers, bls.....lb. 2.35 - 2.45
Arrowroot, powd., bgs., bbls..lb. .09½- .10
Arsenic,[6] metal, lump, c.l....lb. No prices.
Chloride (arsenous), bots.....lb. 1.55 - —
Iodide (arsenous), 5-lb. bots.lb. 5.38 - —
jars .....lb. 5.43 - —
Sulphide, yellow, bbls.....lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs. .....lb. .45 - .68
powd., bbls., dms.....lb. .55 - .82
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., same basis....ton.44.60 - —
6D, bgs., same basis.....ton.33.00 - —
7D, bgs., same basis.....ton.28.50 - —
7F, bgs., same basis.....ton.26.50 - —
7H, bgs., same basis.....ton.22.50 - —
7K, bgs., same basis.....ton.19.00 - —
7M, bgs., same basis.....ton.16.50 - —
7R, bgs., same basis.....ton.13.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba A, bulk, c.l., N.Y....ton.60.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y. .....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitutes, bgs., l.c.l., refinery N. J. or Ill..lb. .08 - —
Gilsonite, brilliant black, selects, 340°F. fusing point, bgs., mines..ton.32.20 - —
290-295°F. fusing point, bgs., mines..ton.30.50 - —
270°F. fusing point, bgs., mines..ton.30.50 - —
Asphaltum, gilsonite, brilliant black, seconds, 370-390°F. fusing point, not uniform, bgs., mines..ton.25.50 - —
300-330°F. fusing point, not uniform, bgs., mines. ton.25.50 - —
jet, bgs., ton lots, gross wght., Colo. mines..ton.30.50 - —
Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks.lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines..ton.30.50 - —
Mexican, ref'd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton.21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots. .....oz. 7.85 - —
Sulphate, bots. .....oz. 5.90 - 6.00

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry, root bark, bgs.....lb. .90 - .95
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium[6] carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate,[6] kgs.....lb. .36 - —
Barium chloride, CP, cryst., bbls..lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works..ton.73.00 - —
l.c.l., same basis....ton.78.00 - —
bbls., c.l., same basis..ton.75.60 - —
l.c.l., same basis....ton.80.00 - —
Dioxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% Ba SO_4, bulk, mines..ton. 8.50 - —
Bauxite, blk, mines.....ton. 7.00 10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .90 - .95
Root, bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .76 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .50 Nom.
dms. .....lb. .55 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 1.85 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .28 - .30
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls.....lb. .43 - .44
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns..lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62-66%, bbls., fib. dms..lb. 2.50 - —
bots., cns.....lb. 2.51 - 2.53
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Black, acetylene,[2] bgs., c.l., works..lb. .14 - —
l.c.l., same basis.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis, lb. .11 - —
4 bgs., bbls., c.l., same basis, lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon,[3] heads, compressed, bgs., c.l., works..lb. .03550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .06 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., works.....lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —

ONE OF 96 DOW CHEMICALS USED BY THE PHARMACEUTICAL INDUSTRY

A provocative book—full of detailed information on Dow Propylene Glycol, N. F.—is yours for the asking. Write for it.

So effectively has this multi-purpose material expanded its field of application that many industries are familiar with its broad-branching work pattern.

Singly—*and in numerous combinations*—Dow Propylene Glycol, N. F., functions as humectant, solvent, penetrant, vehicle, mold inhibitor, preservative, flavor retainer, antifermentative, extraction medium, antifreeze, plasticizer, softening agent, emollient, blending agent.

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DOW

CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

Black, lamp, 5, ctns., c.l., works..lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½ - —
l.c.l., works.....lb. .27½ - —
7, ctns., c.l., works.....lb. .37½ - —
l.c.l., works.....lb. .38½ - —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾ - —
Vine A, bbls.....lb. .04½ - .05
B, bbls.....lb. .05¾ - —
kegs.....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls....lb. .90 - .95
Tree bark, bls.....lb. .40 - .50
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works. ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½ - —
smaller lots, Chicago....lb. .15 - .20
Bloodroot, bls.....lb. .70 - .80
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Chinese, bbls., same basis...lb. .36 - —
Milori, bbls., same basis..lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic.....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .23 - .27
job grades, bbls., same basis. lb. .12 - .13
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner,[1] molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —

Blue, violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .50 - .55
Blue mass, NF, cns., tubs....lb. 1.54 - 1.71
powd., bots., cns., dms.....lb. 1.57 - 1.71
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago...ton.57.50 -65.00
junk, bulk, same basis....ton.35.00 -
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago works.....ton.36.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .14 - .15
Borage flowers, bls.....lb. .55 - .60
Borax,[5] tech., 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld...ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½ - —
Bornyl thiocyanoacetate (see Isobronyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur)
Bromine, purified, cs., c.l....lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[3] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works.lb. .02½ - —
Sap, crystals, works.....lb. .12 - —
powdered.....lb. 13 - —

Brown, Sienna, burnt, American, bbls., works..lb. .03¾ - .05
pap. bgs., c.l., same basis. lb. .0235 - —
Italian type, bbls., works.lb. .08¾ - .10½
raw, American, bbls., works.lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, American, bbls., works, lb. .03¾ - —
Italian type, bbls., works.lb. .04¾ - —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾ - —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½ - —
Minneapolis.....lb. .0535 - —
Pittsburgh.....lb. .05 - —
l.c.l., ex car, Los Angeles lb. .05¾ - —
Portland, San Francisco, Seattle..lb. .05½ - —
ex whse, Los Angeles..lb. .05¾ - —
Portland, San Francisco, Seattle..lb. .05¾ - —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .70 - .72
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. 30 - .32
Burgundy pitch, dms.....lb. 06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½ - —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1895 - —
l.c.l., frt. same basis, lb. .1945 - —
tanks, same basis.....lb. .1795 - —
other production, dms., c.l., same basis..lb. .1900 - —
l.c.l., same basis....lb. .1950 - —
tanks, same basis....lb. 1800 - —
Synthetic, dms., c.l., same basis..lb. .11¾ - —
l.c.l., same basis.....lb. .12¼ - —
tanks, same basis.....lb. .10¾ - —
secondary,[1,6] dms., c.l., dlvd E. of Miss R..lb. .09½ - —
l.c.l., same basis.....lb 10 - —
tanks, same basis.....lb 08½ - —
Normal butyl acetate, W. of Miss. R.. ½c. per lb. higher
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. 15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½ - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works.. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½ - .26¼
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Proprionate, dms., dlvd.....lb. .16½ - .17
tanks.....lb. .15½ - —
Stearate, dms.....lb. .31 - .31¼
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 -

C

Cadmium bromide,[6] bots.....lb. 1.84 - 1.91
jars.....lb. 1.65 - 1.70
Iodide,[6] bots.....lb. 4.23 - —
cns.....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] pat. shapes, cs., dlvd. lb. .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.85
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots.....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .30 - .35
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., works, frt. alld,lb. .07½ - .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,5,6] dms., c.l., works. ton.50.00 - —
dlvd.....ton.87.00 -95.00
Carbonate (see Chalk and Whiting).[5]
Chloride, flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd...ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .39
solid, 73-75%, dms., c.l., dlvd. ton.18.00 31.50
..c.l., 15 tons, dlvd..ton.21.45 -25.45
73-75%, 5-ton lots.....ton.24.85 -40.95
Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms.....lb. .57 - .58
cns.....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, 100 lbs., dms lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½ - —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00

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INDIAN MAGNESITE

LEVIGATED ALUMINA
MAGNESIUM METAL POWDER
LACTIC ACID 50% EDIBLE
MAGNESIUM OXIDE HEAVY CALCINED
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PARAFORMALDEHYDE

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Calcium phosphate, monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 5.2% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70% bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms, lb. .13¼- .19¼
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works, lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[6] bbls., dms.....lb. 2.44 - 2.45
Camphor,[6] natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works, lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .56
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots..lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 3.10 - 3.35
Canada balsam (see Fir balsam).
Cantharides, Russian, whole, bgs., lb. No stocks
powd., bxs.....lb. No stocks

Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type, bgs..lb. .75 - .76
Canadian, bgs.....lb. .74 - .75
Morocco, dewhiskered, bgs...lb. .70 - .71
Spanish, dewhiskered, bgs..lb. .73 Nom.
Syrian, dewhiskered, bgs....lb. No stocks
Carbasole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .06 - —
l.c.l., same basis.....lb. .06¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .06 - .06⅝
Dioxide, cyls.....lb. .06 - .06
Tetrachloride,[1,6] c.p., dms., c.l. lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Carbon tetrachloride, Zone 3, 52½-gal. dms., c.l., frt. alld. gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom,[1] bleached, bold, cs., lb. 1.20 - 1.25
medium, cs.....lb. 1.06 - 1.15
coorg clipped, cs.....lb. .50 - .55
decorticated, cs.....lb. .60 - .70
green, bgs.....lb. .56 - .57
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
Carvol, bots.....lb. 22.50 -23.00
Cascara sagrada bark, bulk...lb. .32 - .35
Case hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —

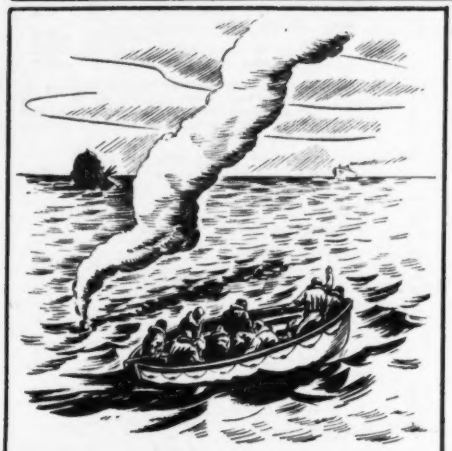
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point..lb. .22 - —
20 to 99, same basis....lb. .22¼- —
less than 20, same basis, lb. .22¾- —
Casein, dom., rennet-precip., bgs., 100 or more, same basis..lb. .23½- —
20 to 99, same basis....lb. .23¾- —
less than 20 bgs.....lb. .24¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .17 - .18½
rennet-precip., unground, bgs., 100 bgs. or more..lb. .18½- .22
Cassia[1] .....lb. No stocks
Cassia fistula, bakts.....lb. .26 - .28
Castor beans, f.o.b. Brazilian ports..long ton.75.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works, unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.50 -13.00
synth., bots.....lb.19.00 - —
Catechol, CP, cryst., works, fib. dms., tin..lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms..lb. 3.50 - —
Catnep, bls.....lb. .65 - .66
Celery seed,[1] Indian, bgs.....lb. .18 - .18½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis.lb. .35 - —
Triacetate,[4,6] flake, ctns., works frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02⅞- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.30.00 - —
Chamomile, Hungary type, cs..lb. .45 - .50
Roman, bls.....lb. No stocks
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South..ton.30.20 - —
l.c.l., same basis.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works..100 lbs. 2.85 - 3.35
l.c.l., works.....100 lbs. 3.10 - 4.10
tanks, works.....100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works..100 lbs. 6.50 - 9.10
l.c.l., works.....100 lbs. 7.25 - 9.65
Chillies (see Pepper, red).
China clay, dom., dry-grd, air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
air-float, 200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silkbolt., 99½%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse.ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .96
dms. .....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
Chlorine,[3,5,6] liquid, cyls., c.l.lb. .05½- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks. frt. equald..100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld..lb. .80 - —
100-lb. cyls., same basis....lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms..lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots. .....lb. 6.00 - 6.00
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz. .80 + .13½*
sulphate, NF, cns., 100 ozs.. oz. .80 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs.oz. .66 + .13½*
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, heavy dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.00 - 3.90
Cinnamon,[1] Ceylon, 2, bls.....lb. .53 - .53½
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 2.85 - 4.75
Citrine ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Cloves,[1] Madagascar, futures, bls. bl..lb. .16¼- .16⅝
Zanzibar, futures, bgs.....lb. .17½- .18
Clover tops, red, bgs.....lb. .55 - .60
Coaltar,[6] coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07¼- —
refd., bbls., c.l., works....bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08¼- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .33¾- —
feed grade, 49.5% Co., kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co., kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87¼- —
feed grade, 24.5% Co., kgs..lb. 1.25 - —



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Cobalt hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .36
solid, 8¼%, dms.....lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs..lb. 1.26 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co., 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs...lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt..lb. .25 - —
Cocillana bark, bgs.....lb. .42 - .43
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .20
blue, bls.....lb. .21 - .23
Colchicine, bots., cns.....oz. No stocks
Cochicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns.....lb. .23 - .29½
flexible, USP, dms.....lb. .21 - .22
cns.....lb. .26 - .31
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .19 - .20
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .12 - .15
Copaiba balsam, Peru, cns....lb. .47 - .49
S. A., USP, cns.....lb. .50 - .52
Copper acetate,[6] cupric, bbls., works..lb. .25½- —
smaller containers, wks..lb. .27 - —
Carbonate,[6] 52-54%, bbls....lb. .19½- .20½
Chloride,[6] anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,5,6] electrolytic.....lb. .12 - .12½
Napthenate,[6] 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[6] tech., cryst., bbls..lb. .19½- .20½
Oleate, precip., bbls.....lb. .22½- .28½
Oxide,[6] black, bbls., works..lb. .19 - .20
red, com'l, bbls.....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .15½- .16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs...100 lbs. 5.15 - —
2,700 to 7,200 lbs....100 lbs. 5.25 - —
700 to 2,700 lbs.....100 lbs. 5.50 - —
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..100 lbs. 10.20 - —
l.c.l., same basis...100 lbs. 10.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., 25, bgs.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, futures, bgs..lb. .12½- .13
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .13¾ Nom.
Cornsilk, bls.....lb. .24 - .28
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l.....100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.221 - —
43°, bbls., c.l.....100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .17 - .18
Cottonseed hull ash, 32-36% potash, bgs., dlvd..unit-ton. 1.00 - —
Meal,[1] 41% protein, Memphis, c.l..ton. 45.00 - 49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .75 - .80
Cream of tartar, USP, gran. or powd., bbls. ,5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs.....lb. .58½- —
Creosote carbonate, bots., cbys. lb. 2.10 - 2.30
Coaltar, oil,[3] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works..gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys.....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[3,6] special resin grades, dms., c.l., works, frt. equald. lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l... 100 lbs. 9.50 - —
smaller lots.....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
smaller lots, works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .26
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cutch, bgs.....lb. No stocks
Cyanamide,[6] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —
Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclohexanol, 98-100%, works..lb. .21 - .26
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —
Cyclohexanone prices are 1c. per lb. higher frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Dandelion root, bls.....lb. .37 - .40
Decanol,[6] normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .42 - .48
Defluorinated phosphate,[1] paper bgs., works..ton. 34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls...lb. .26 - .29
over 2% ffa, bbls.....lb. .25 - .27
Damiana leaves, bls.....lb. .14 - .15
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l., 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs, c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¼
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Diamyl phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Diatomaceous, dom., nat., bgs., c.l., Pacific Coast..ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 -
purified, bgs., c.l., Atlantic Coast..ton. 55.00 - 59.00
l.c.l., ex whse.....ton. 85.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2580- .2909
7-gal. cns., same basis..lb. .2780- .3109
dms., c.l., same basis....lb. .2030- .2659
l.c.l., same basis.....lb. .1980- .2509
tanks, same basis.....lb. .1930- .2259
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equaled with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
lc.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. refd., 90%, dms.....lb. .25 - —
.30 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .30½- —
.31 - —
Diethylaniline, dms.....lb. .75 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .40 - —
l.c.l., same basis.....lb. .14½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., c.l., wks. lb. .23 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether,[6] dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. .00 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Diliseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .12½- .13
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1875- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol).
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .03 - —
Diorthotoluolguanidin,[6] dms., tons, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).

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Dipentene,[1,6] dest. dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
single dist., dms., dlvd. E..gal. .55 - .58
tanks, dlvd. E.....gal. .52 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .35 - —
Diphenylguanidin,[6] dms., tons.lb. .33 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] according to tanning content, bgs..ton.64.00 -68.00
Doggrass root, imp., cut, NF, bls..lb. .52 - .55
dom., bls.....lb. .30 - .35
Dogwood bark, Jamaica, bls...lb. .08 - .10
Dover's powder, USP, cns.....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs and cosmetics)—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green, FD&C green, No. 1 cns. lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C black, No. 1, cns. lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb.12.35 - —
Brown, D&C brown, No. 1, cns.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
Red, D&C red, No. 8, cns...lb. 2.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb.15.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb.10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3, cns..lb.21.35 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses[6] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .33 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
466 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .90 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A....e...lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
332 Bismarck brown R..lb. .47 - .62
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.60 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —
Orange—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .59 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[6].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base.lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet—
680 Methyl violet base....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .80 - .85
Egg[1] albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.12 - 1.15
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .58 - .59
Elecampane root, bls.....lb. No stocks
Elm bark, grinding, bls.....lb. No stocks
powd., bbls., bxs.....lb. No stocks
select, bndls.....lb. .55 - .60
Emetine[6] hydrochloride, bots..oz.21.00 -33.00
Ephedra, bls.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synthetic, USP, anhyd., bots., 100 ozs..oz. .61 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Hydrous, bots., 100-oz. lots. oz. .58 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs, 1 withdrawal..100 lbs. 2.60 - —
smaller lots .....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
Ergot, USP, dms.....lb. 1.30 - 1.40
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials.....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .96 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb.cns..lb. .60 - .61
Synthetic, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[1,6] 85-90%, dms., c.l., frt. alld..lb. .1170- .1275
l.c.l., frt. alld.....lb. .1220- .1330
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld., lb. .1225- .1335
l.c.l., frt. alld.....lb. .1275- .1385
tanks, frt. alld.....lb. .1125- .1235
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works. lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .80 - .85
Carbamate, dms., dlvd. E....lb. .56 - —

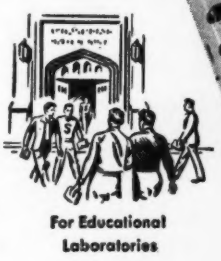
Ethyl chloride, tech., dms.	lb.	.18 -	.20
USP, bbls., cyl.	lb.	.20 -	.22
Cinnamate, cns.	lb.	3.25 -	3.35
Formate, dms., f.o.b. Agnue, Calif.	lb.	.26 -	.32
Iodide, bots.	lb.	3.50 -	3.60
Lactate, dms., works	lb.	.33½-	.39½
Myristate, dms., works	lb.	.55 -	—
Oenanthate, dms.	lb.	.75 -	1.25
Oleate, dms., l.c.l., works	lb.	.47 -	—
Oxalate, dms., frt. alld.	lb.	.33 -	—
Silicate, l.c.l., dms., works	lb.	.77 -	—
Ethylcellulose,[2] standard, pkgs., 5,000 lbs. or more, works	lb.	.50 -	—
smaller lots, same basis	lb.	.52 -	.60
Ethyldiethanolamine, dms., l.c.l., works	lb.	.80 -	—
Ethylene dichloride,[2] dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0842-	—
West of Rockies, same basis	lb.	.0891-	—
l.c.l., works, E. of Rockies, same basis	lb.	.0891-	—
West of Rockies, same basis	lb.	.0941-	—
tanks, E. of Rockies, same basis	lb.	.0743-	—
West of Rockies, same basis	lb.	.0792-	—
Trichloride (see Trichloroethane).			
Ethyleneglycol,[2,6] dms., c.l., frt. alld. in E.	lb.	.10 -	—
l.c.l., same basis	lb.	.11 -	—
tanks, same basis	lb.	.09 -	—
Monobutylether,[2] d m s., c. l. works	lb.	.17½-	—
l.c.l., works	lb.	.18½-	—
tanks, works	lb.	.16½-	—
Monoethylether,[2] d m s., c.l., works	lb.	.15½-	—
l.c.l., works	lb.	.16½-	—
tanks, works	lb.	.14½-	—
Monoethylether acetate, dms., c.l., works	lb.	.13½-	—
l.c.l., dms.	lb.	.14½-	—
tanks, works	lb.	.12½-	—
Monomethylether,[2] d m s., c.l., works	lb.	.16½-	—
l.c.l., works	lb.	.17½-	—
tanks, works	lb.	.15½-	—
Ethylethanolamine, d m s., c.l., works	lb.	.57 -	—
l.c.l., works	lb.	.60 -	—
Ethylidinanilin, dms.	lb.	.45 -	.47½
Ethylmonoethanolamine, l.c.l., dms., works	lb.	.80 -	—
Ethylmorphine, hydrochloride, bots.	oz.	10.50	-10.75
Ethylvanillin,[2] cns., makers,[1] primary distrib., 5 lbs. or more.	lb.	5.25 -	—
smaller lots	lb.	5.30 -	5.40
Eucalyptol, cns., dms.	lb.	2.50 -	3.00
Eucalyptus leaves, bls.	lb.	.10 -	.13
Eugenol, cns., dms.	lb.	2.65 -	3.35
Euphorbia, bls.	lb.	.12 -	.13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works.	ton.	14.00	-17.50
bgs., min., 2 tons.	ton.	17.00	-20.50
glass, 20 mesh, bulk, c.l., works.	ton.	9.75	-13.25
bgs., l.c.l., min. 2 tons.	ton.	12.75	-16.25
pottery, bulk, c.l., works.	ton.	17.00	-19.00
l.c.l., bgs., min. 2 tons.	ton.	20.00	-22.00
Fennel seed, Argentine, bgs.	lb.	No stocks	
Indian, bgs.	lb.	.16½ Nom.	
Fenugreek seed, domestic, bgs.	lb.	.20 -	.20½
Indian, bgs.	lb.	No stocks	
Morocco, bgs.	lb.	No stocks	
Ferric sulphate, anhyd., bgs., c.l., works.	ton.	35.00 -	—
l.c.l., same basis	ton.	40.00 -	—
Film scrap, colored, ca., 50 lbs. or over, works.	lb.	.13½-	—
smaller lots, works	lb.	.15 -	—
water white, ca., 50 lbs. or over, works.	lb.	.14½-	—
smaller lots, works	lb.	.17 -	—
Fir, balsam, Canada, cns.	gal.	17.50	-17.75
Oregon, bbls.	gal.	2.35 -	2.50
Fishberries, bgs.	lb.	.29 -	.34
Fisheils (see Oil, fishliver).			
Fishmeal,[1] grd., 60% protein, bgs., E. works.	ton.	72.50 -	—
66% protein, same basis.	ton.	78.50 -	—
Fishscrap, dried, 60% protein, bulk, East Coast.	ton.	66.50 -	—
Flake white, bbls.	lb.	.09 -	—
kegs	lb.	.11 -	—
Flaxseed, French type, black, bgs.	lb.	.62 -	.64
Indian, blonde, bgs.	lb.	.11½-	.14
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines.	net ton.	37.00 -	—
washed gravel, 70% or more CaF_2, mines.	net ton.	33.00 -	—
65%, mines	net ton.	32.00 -	—
60%, mines	net ton.	31.00 -	—
less than 60%, mines.	net ton.	30.00 -	—
Formaldehyde,[1,2,6] bbls., c.l., works.	lb.	.0520-	—
l.c.l., works	lb.	.0570-	—
dms., extra, c.l., works	lb.	.0460-	—
l.c.l., works	lb.	.0510-	—
tanks, works	lb.	.0320-	—
tanktrucks, dlvd. N.Y.C.	lb.	.0345-	—
Fringetree bark, bls.	lb.	.60 -	.70
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines.	ton.	8.50	-15.00
Tex. mines	ton.	12.50	—
spent, bulk, Bayonne.	ton.	3.00	—
Chicago	ton.	4.00	—
imp., bgs., c.l.	ton.	30.00	-40.00
Furfural,[6] ref., dms., c.l., works.	lb.	.12½-	—
dms., cns., l.c.l., works.	lb.	.18 -	.25½
tech., dms., c.l., works.	lb.	.13 -	—
l.c.l., dms., cns.	lb.	.15½-	.20½
tanks, works	lb.	.09½-	—
Fusel oil, crude, dms., works.	gal.	.75 -	—
refd., dms., dlvd.	lb.	.15½-	.19½
Fustic, cryst., No. 1, bbls.	lb.	.32 -	—
No. 2, bbls.	lb.	.30 -	—
No. 3, bbls.	lb.	.28 -	—
extract, No. 1, bbls.	lb.	.16 -	—
No. 2, bbls.	lb.	.15 -	—
No. 3, bbls.	lb.	.12½-	—

G

G salt, bbls.	lb.	.45 -	—
Galangal root, bls.	lb.	.24 -	.25
Gambier, cube, Singapore, ca.	lb.	No stocks	
extract, bbls.	lb.	No stocks	
Gasoline[1] at refinery, ex tax:—			
Arkansas, US motor, 70-74 octane, tanks.	gal.	.05½-	—
Bayonne, 70-74 oct., tanks.	gal.	09075-	—
Gulf Coast, US motor, 70-74 octane, tanks.	gal.	.05¾-	.06½
Group 3, 70-74 octane, tanks.	gal.	.06¼-	.06½
natural, 26-70, tanks.	gal.	.04¾-	.05
Oklahoma-Texas US motor, 70-74 octane, tanks.	gal.	.05½-	.06
Pennsylvania, western, U. S. motor, 70-74 octane, leaded, tanks.	gal.	.07¾-	.0696
Gelatin, silver, label, ctns., dlvd.	lb.	.90 -	.97
export, cases	lb.	1.00 -	—
Silver gelatin prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.			
Gelsemium, root, bls.	lb.	.19 -	.20
Gentian root, bls.	lb.	.41 -	.42
grd., bbls., bxs.	lb.	.46 -	.47
powd., bbls., bxs.	lb.	.47 -	.48
Geraniol, 92-96%, cns., dms.	lb.	3.50 -	4.50
Ginger,[1] African, No. 1, bls.	lb.	No stocks	
Calicut, bgs.	lb.	.26½ Nom.	
Cochin, bleached, bgs.	lb.	.27½-	.28
unbleached, bgs.	lb.	.24 -	.24½
Jamaica, No. 1, bgs.	lb.	.26 -	.26½
No. 2, bgs.	lb.	.24 -	.24½
No. 3, bgs.	lb.	.23½-	.24
Ginseng root, wild, South, cs.	lb.	8.00 -	9.00
Glaubers salt, anhyd. (see Soda sulphate).			
cryst., bgs., bbls., c.l., works.	100 lbs.	1.05 -	1.25
l.c.l., 5 tons up, works.	100 lbs.	1.15 -	1.35
less than 5 tons, works.	100 lbs.	1.25 -	1.45
Glue, bone,[6] producers', calcium type, 24 millipoise, 26 jelly-grams, bgs., c.l., East of Midwest.	lb.	.16 -	—
30/35, bgs., c.l., same basis.	lb.	.15½-	—
58/62, bgs., c.l., same basis.	lb.	.17 -	—
82/105, bgs., c.l., same basis.	lb.	.18½-	—
Producers' bone glue l.c.l. prices 1c. over			
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14 -	.21½
122-149, bgs., c.l., dlvd.	lb.	.15 -	.22½
150-177, bgs., c.l., dlvd.	lb.	.16 -	.23½
178-206, bgs., c.l., dlvd.	lb.	.17 -	.24½
Glue, hide, producers—			
207-236, bgs., c.l., dlvd.	lb.	.18 -	.25½
237-266, bgs., c.l., dlvd.	lb.	.19 -	.26½
267-298, bgs., c.l., dlvd.	lb.	.20 -	.27½
299-330, bgs., c.l., dlvd.	lb.	.21 -	.28½
331-362, bgs., c.l., dlvd.	lb.	.22 -	.29½
363-394, bgs., c.l., dlvd.	lb.	.23 -	.30½
395-427, bgs., c.l., dlvd.	lb.	.24 -	.31½
428-460, bgs., c.l., dlvd.	lb.	.25 -	.32½
461-494, bgs., c.l., dlvd.	lb.	.26 -	.33½
495-520, bgs., c.l., dlvd.	lb.	.27 -	.34½
Hide glue l.c.l. prices 1c. over c.l.; bbls., ½c. over bags.			
Glycerin, crude, saponification, 88%, to refiners, tanks.	lb.	.11¼-	—
soaplye, 80%, tanks.	lb.	.10 -	—
dynamite, dms., c.l.	lb.	.14½-	—
l.c.l.	lb.	.16 -	—
tanks	lb.	.14¼-	—
high gravity, dms., c.l.	lb.	.14½-	—
l.c.l.	lb.	.15 -	—
tanks	lb.	.14¼-	—
ref., USP, CP, 95%, dms., c.l.,	lb.	.15½-	—
l.c.l.	lb.	.15¾-	—
tanks	lb.	.15 -	—
B.P., 98%, dms., c.l.	lb.	.15¾-	—
l.c.l.	lb.	.16¼-	—
tanks	lb.	.15½-	—
yellow, distilled, dms., c.l.	lb.	.14¾-	—
l.c.l.	lb.	.14¾-	—
tanks	lb.	.14½-	—
Glycine, USP, bbls., tins.	lb.	1.25 -	1.30
Glycol boriborate, dms.	lb.	.22 -	—
Stearate, dms.	lb.	.28 -	—
Gold of pleasure seed, bgs.	lb.	No stocks	
Gold chloride, acid-brown. bots.	oz.	20.75	-21.00
acid-yellow, bots.	lb.	18.75	-19.00
Gold-soda chloride, photo., bots.	oz.	13.00 -	—
USP IX, bots.	oz.	14.50	-14.75
Goldenseal, root, bls.	lb.	7.70 -	8.00
powd., bxs.	lb.	7.95 -	8.25
Grains of Paradise, bgs.	lb.	.28 -	.30
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., basis	lb.	.04½-	—
70-75%, bgs., same basis	lb.	.05 -	—
75-80%, bgs., same basis	lb.	.05½-	—
80-85%, bgs., same basis	lb.	.06 -	—
85-90%, bgs., same basis.	lb.	.07 -	—
90% and up, same basis.	lb.	.08 -	—
Grease,[1,5] house, loose.	lb.	.05½-	—
white, choice, loose.	lb.	.06¾-	—
Wool (see Adeps lanae and Degras).			
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works.	lb.	3.75 -	—
molybdic, same basis.	lb.	3.25 -	—
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, inciuding St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.23 -	—
11-15%, bbls., same basis.	lb.	.25 -	—
20%, bbls., same basis.	lb.	.25½-	—
21-25%, bbls., same basis.	lb.	.26 -	—
26-30%, bbls., same basis.	lb.	.26½-	—
31-35%, bbls., same basis.	lb.	.27½-	—
36-40%, bbls., same basis.	lb.	.29 -	—
41-45%, bbls., same basis.	lb.	.30½-	—
46-50%, bbls., same basis.	lb.	.33 -	—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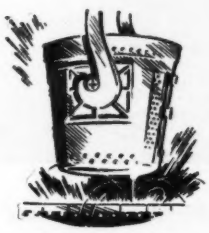
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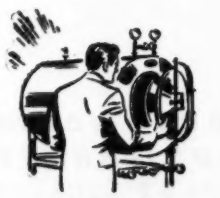
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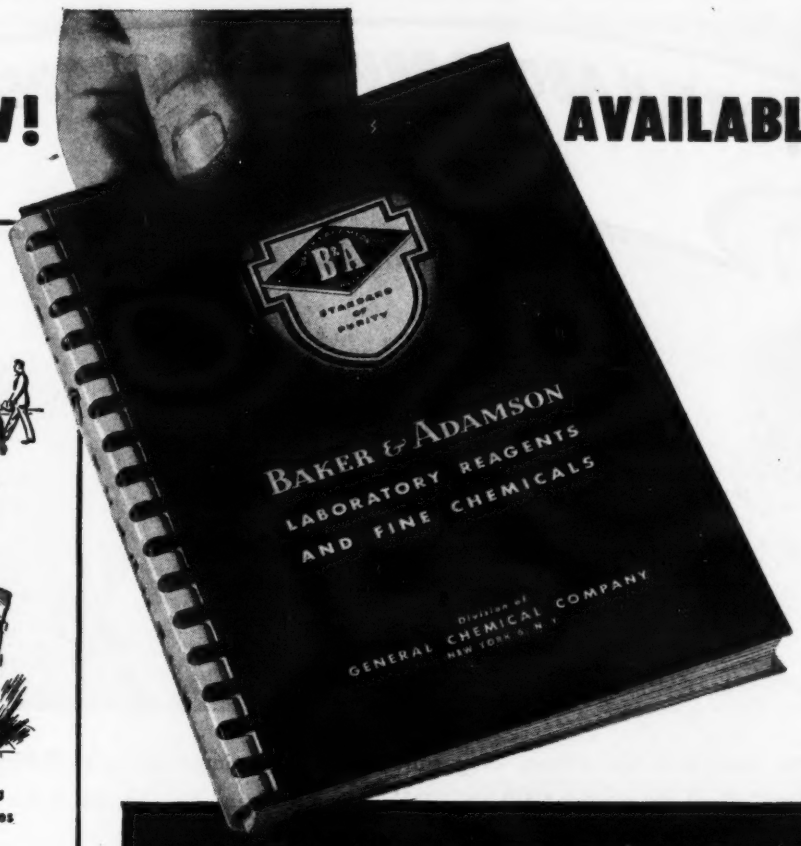

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Green, chrome, reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¾- —
17-19%, bbls., same basis.lb. .09½- —
20-21%, bbls., same basis.lb. .09¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18¾- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis....lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago

Green, chrome oxide,[6] pure, dms., works..lb. .24 - —
Malachite[1] thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls. ....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....m. 3.00 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).

Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .18 - .19
Guaiac resin, cs.....lb. .48 - .49
Wood. bls. .....lb. .05 - .06
Guaiacol, carbonate, fib. dms..lb. 2.40 - 2.74
liquid, dms. .....lb. 1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots .....lb. 58 - .73½
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs...lb. .11½- .13
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs. .....lb. .52 - 1.00
Camphor (see C).
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .55¾- —
31, bgs., same basis....lb. .21½- —
32, bgs., same basis....lb. .15¾- —
33, bgs., same basis....lb. .14 - —
34, bgs., same basis....lb. .09¼- —
35, bgs., same basis....lb. .10½- —
36, bgs., same basis....lb. .12¾- —
37, bgs., same basis....lb. .18½- —
38, bgs., same basis....lb. .12¼- —
39, bgs., same basis....lb. .10¾- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11¾- —
unsorted, No. 1, bgs., same basis..lb. .14¾- —
2, bgs., c.l., same basis..lb. .12¾- —
3, bgs., c.l., same basis..lb. .11¼- —
FAD, bgs., c.l., same basis..lb. .14¾- —
Prices for l.c.l., ¼c. to ½c. higher than c.l.
East India,[1] batu, bold, scraped,
unscraped, same basis..lb. .10¼- —
chips, same basis....lb. .09 - —
dust, same basis....lb. .12 - —
nubs and chips, same basis..lb. .08¼- —
black, bold, scraped, bgs., ex dock or port, whse..lb. .05¾- —
unscraped .....lb. .12 - —
nubs and chips, same basis..lb. .07½- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .07¼- —
chips, same basis....lb. .17⅞- —
dust, same basis.....lb. .11½- —
nubs, same basis....lb. .05½- —
Singapore, Rasak, bold, bgs., same basis..lb. .13⅜- —
chips, same basis....lb. .23¾- —
dust, same basis....lb. .11¾- —
nubs, same basis....lb. .05½- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .16¾- —
MA, same basis.....lb. .07⅞- —
MB, same basis.....lb. .09¾- —
WS, bgs., same basis....lb. .08¼- —
Manila, Boeas,[1] hard, bold, amber, light, bakts, c.l., same basis..lb. .11¾- —
dark, light, same basis..lb. .13½- —
white, same basis.....lb. .14¼- —
loba,[1] A, bgs., c.l., same basis..lb. .15½- —
B, same basis.....lb. .14 - —
C, same basis.....lb. .13¾- —
CBB, same basis.....lb. .13⅜- —
CNE, same basis.....lb. .12 - —
D, same basis.....lb. .10 - —
DBB, same basis.....lb. .12¾- —
DK, same basis.....lb. .11 - —
DU, same basis.....lb. .09½- —
dust, same basis.....lb. .08¾- —
MB, same basis.....lb. .07⅞- —
WS, same basis.....lb. .09¼- —
Gum, copal, Manila-Singapore,[1] white split chips, bgs., c.l., same basis..lb. .11¾- —
dust, same basis.....lb. .07⅞- —
whse., entry point, c.l. lb. .08¾- —
Philippine,[1] Manila, extra bold, pale, scraped, bakts., same basis..lb. .15 - —
sorts, same basis.....lb. .12⅜- —
pale chips, bold, same basis. lb. .13 - —
nubs, WCB, same basis.lb. .13⅜- —
seeds, dust, same basis...lb. .06⅜- —
SG, same basis.....lb. .10¼- —
small chips, same basis..lb. .11⅜- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23⅜- —
mixed, same basis.....lb. .17⅜- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis. lb. .19¼- —
nubs, same basis.....lb. .16 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D same basis.....lb. .28¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .34½- —
C, same basis.....lb. .28¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, cs., c.l..lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3 bgs., same basis.lb. .12¾- —
chips, cs., same basis...lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17¾- —
Gum dammar, l.c.l., prices, ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or port whse. entry port..lb. .09½- .09¾
Ester, gum rosin type,[1] dms., c.l., divd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .11½- —
other points, divd.....lb. .12 - —
l.c.l., divd. Ill., Ind., etc.. lb. .11¾- —
other points, divd.....lb. .12½- —
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. .25 - .40
Gualac (see Gualac resin).
Karaya, bbls., bxs., dms....lb. .15 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis....lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis....lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis.....lb. .35½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis.. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls.....lb. .65 - .70
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, sittings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .50
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .99½- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 22.65 - —
Harlem River, N. Y., frt. equald..ton. 28.25 - —
Medicine Lodge, Kan., frt. equald..ton. 17.00 - —
New Brighton, N. Y., frt equald..ton. 28.25 - —
Southard, Oklahoma, frt. equald..ton. 17.00 - —
Sweetwater, Texas, frt. equald..ton. 21.45 - —
Blue Rapids, Kans., frt. equald..ton. 12.50 - —
Acme, Tex., frt. equald.. ton. 12.50 - —
Harlem River, N. Y., frt. equald..ton. 13.00 - —
Medicine Lodge, Kansas, frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 13.00 - —
Southard, Oklahoma, frt. equald..ton. 12.50 - —
Sweetwater, Texas, frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton. 12.00 - —
New Brighton, N. Y.; Southard, Okla..ton. 12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 3.75 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.85
Hematine, cryst., bbls., No. 1..lb. .34 - —
No 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —

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DEGRAS • Neutral and Common • WOOL GREASES

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Hematine paste, bbls., No. 1	lb.	.14½-	—
No. 2	lb.	.13½-	—
No. 3	lb.	.12½-	—
Hemlock bark extract,[1,6] 25% tan. bbls., c.l., works	lb.	No stocks	
tanks, works		No stocks	
Henbane leaves, bls	lb.	.80 -	.90
Henna leaves, bls	lb.	.17 -	.18
powd., bbls., bxs	lb.	.22 -	.23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3	gal.	.12½-	—
l.c.l., Group 3	gal.	.13 -	—
tankcars, Group 3	gal.	.10 -	—
77°-115°, industrial, dms., c.l., Group 3	gal.	.13 -	—
l.c.l., Group 3	gal.	.13 -	—
tankcars, Group 3	gal.	.10½-	—
laboratory grade, dms., c.l., Group 3	gal.	.16 -	—
l.c.l., Group 3	lb.	.20 -	—
10 gals., Group 3	gal.	.55 -	—
Hexaldehyde, normal, dms., c.l., works	lb.	1.10 -	—
Hexalin (see Cyclohexanol).			
Hexamethylenetetramine,[2,6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C.	lb.	.24 -	—
smaller lots	lb.	.26 -	—
USP, dms., 500 lbs. or more, same basis	lb.	.25 -	—
smaller lots	lb.	.26 -	—
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3	gal.	.12½-	—
l.c.l., Group 3	gal.	.13 -	—
tankcars, Group 3	gal.	.10½-	.11
laboratory grade, dms., c.l., Group 3	gal.	.18 -	—
l.c.l., Group 3	gal.	.20 -	—
10 gals., Group 3	gal.	.55 -	—
Hexanol, dms., l.c.l., works	lb.	.25 -	—
Homatropine hydrobromide, bots.	oz.	15.00	-25.00
Hoofmeal, 17-19% ammon., bulk, Chicago	unit.	4.50	- 4.75
Hops, NF, bls	lb.	.50	- 1.50
Horehound, bls	lb.	.10½-	.12
Hydrangea root, bls	lb.	No prices	
Hydrastine, bots	oz.	20.00	- —
Hydrochloride, bots	oz.	20.00	- —
Sulphate, bots	oz.	29.00	- —
Hydrastinine, 10 grs., bots	bot.	1.95	- —
Hydrastics (see Goldenseal).			
Hydrofuramide, dms., fib., cns., works	lb.	.30 -	.40
Hydrogen peroxide,[6] USP, bbls.	lb.	.03¾-	.04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal	lb.	.15½-	.18¾
Hydroquinone, bbls., dms	lb.	.90 -	.94
Hydroxycitronellal, cns	lb.	8.50 -	9.00
dms., extra, ret'able, dlvd	lb.	4.50 -	—
Hyoscine hydrobromide, bots	oz.	50.00	-70.00
Hyoscyamine, bots	oz.	16.00	-20.00
Hydrobromide, bots	oz.	16.00	-20.00
Sulphate, bots	oz.	16.00	-20.00
Hypernic, cryst., bbls., No. 1	lb.	.42 -	—
No. 2	lb.	.34 -	—
extract, bbls., No. 1	lb.	.24 -	—
No. 2	lb.	.16 -	—

I

Icthammol, N. F., bots	lb.	2.45 -	—
Indian red (see Red, Indian).			
Indigo, nat., chests	lb.	2.14 -	2.30
synth., paste, bots	lb.	.16½-	.19
powd., bbls	lb.	.74½-	.85
Indol, CP, bots	lb.	23.00	-24.00
Insect flowers (see Pyrethrum).			
Iodine, crude, 25-lb. jars	lb.	1.67 -	—
150-lb. kgs., net	lb.	1.38½-	—
resubl., 5-lb. bots., jars	lb.	2.00 -	2.10
Iodoform, 100-lb. dms., kgs	lb.	3.95 -	4.10
jars	lb.	4.20 -	—
Ipecac[6] root, bgs	lb.	No prices	
powd., bgs	lb.	No prices	
Irish moss, ordinary, bls	lb.	.26 -	.28
powd., 80-90 mesh, bbls	lb.	.32 -	.33
prime bleached, bls	lb.	.35 -	.40
powd.	lb.	.40 -	.50
Iron acetate, liquor, bbls., c.l., dlvd.	lb.	.17 -	—
l.c.l., dlvd	lb.	.18 -	—
solut., USP IX, 100-lb. cbys.	lb.	.17 -	—
50-lb. djns	lb.	.18 -	—
Chloride (ferric), tech., anhydr., 390-lb. dms.	100 lbs.	4.65 -	5.25
150-lb. dms.	100 lbs.	5.00 -	6.00
cryst., bbls., works, frt. alld.	lb.	.03½-	.04
kgs., works, frt. alld.	lb.	.04 -	.04½
USP X, cryst., lump, bbls.	lb.	.07½-	—
dms.	lb.	.08½-	—
solut., NF, cbys., works, frt. alld. or equald.	lb.	.06¾-	.07½
djns.	lb.	.10 -	—
Citrate, USP VIII, gran., dms.,	lb.	.79 -	.77
powd., cns	lb.	.84 -	.87
Glycerophosphate, bbls., 1,000-lb. lots	lb.	3.30 -	—
100-lb. lots	lb.	3.40 -	—
cns., 25 lbs	lb.	3.53 -	—
Hypophosphite, bbls., dms	lb.	1.50 -	1.52
Iodide, bots	lb.	3.18 -	3.32
syrup, bots., cbys	lb.	.39 -	.53
Naphthenate,[6] 6% Fe, 50-gal. dms.	lb.	.15 -	—
Nitrate, red, tech., dms	lb.	.03½-	.04
Oxalate, gran., dms	lb.	.83 -	.85
powd., cns	lb.	.52 -	—
kgs.	lb.	.47 -	.49
Oxide, black (see Black, Iron oxide).			
Phosphate, ferric, NF, gran., cns.	lb.	.54 -	.57
Pyrophosphate, gran., cns	lb.	.59 -	.62
Reduced, 90%, kgs	lb.	.65 -	.75
Resinate, 7.4% Fe, 100-lb. dms.	lb.	.17½-	—
Sulphate, tech. (see Copperas and Ferric sulphate).			
USP, cryst., bbls., dms	lb.	.05½-	.11
Tallate, 4% Fe, 50-gal. dms.	lb.	.10¼-	—
Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.33 -	.38
scales, dms	lb.	.49 -	.52
Oxalate, bbls	lb.	.23½-	—
dms., kgs	lb.	.25½-	.28½
Iron-soda oxalate, bbls., dms.	lb.	.23½-	.26¾
Isobornyl acetate, cns., works	lb.	.85 -	1.00
Isobutyl acetate,[6] dms., works	lb.	.0800-	—
tanks, works	lb.	.0760-	—
Propionate, dms., works	lb.	.102 -	—
Isoeugenol, cns., works	lb.	4.05 -	4.25
Isopentane, dms., works	lb.	.45 -	.55
Isophorone, dms., works	lb.	.25 -	—
Isopropanol (see Alcohol, Isopropyl).			
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt alld.	lb.	.11 -	—
l.c.l., E. of Rockies, frt. alld.	lb.	.11½-	.12
tanks, E. of Rockies, frt. alld.	lb.	.10 -	—
Isopropyl alcohol (see Alcohol).			
Ether, dms., c.l.	lb.	.06 -	—
l.c.l.	lb.	.06½-	—
tanks	lb.	.04½-	—
Isopropylamine, dms., works	lb.	.35 -	—

J

Jaborandi leaves, bls	lb.	.09 -	.10
Jalap root, NF, bls	lb.	.37 -	.38
powd., bbls., bxs	lb.	.44 -	.45
Resin, lump, cns	lb.	5.85 -	—
powd., bxs	lb.	5.90 -	—
Juniper berries, dom., bgs	lb.	.75 -	.80

K

Kamala, tins	lb.	.40 -	.45
Kaolin (see China clay).			
Kava kava root, bls	lb.	.23 -	.24
Kerosene at refinery:—			
Ark., 41-43 w.w., bulk, tanks.	gal.	.04¼-	.04¼
Bayonne, 41-43 w.w. tank	gal.	.071 -	—
Gulf ports, 41-43 w.w., bulk,	gal.	.04¼-	.04½
Okla.-Tex., 42-44 w.w., tanks.	gal.	.04⅝-	.04¾
Penn., 45 w.w., tanks	gal.	.065 -	.0755
46 w.w., tanks	gal.	.0775-	.0895
San Francisco, tanks	gal.	.11½-	—
Kola nuts, bgs	lb.	.09 -	.10

L

Lady slipper root, bls	lb.	1.40 -	1.55
Lanolin (see Adeps lanae).			
Lard,[1,6] pure, ref., trcs	lb.	.152	2½- —
prime steam, trcs	lb.	.1448-	—
Larkspur seed, bgs	lb.	3.25 -	3.50
Laurel berries, bls	lb.	.25 -	.26
Laurel leaves, Cyprus, bls	lb.	.25 -	.26
Greek, bls	lb.	No stocks	
Portuguese, bls	lb.	.17½-	.19½
Turkish, bls	lb.	.30 -	.31
Lavender flowers, medium, bls.	lb.	.80 -	—
ordinary, bls	lb.	.45 -	.50
select, bls	lb.	.90 -	.95
Lead,[1,6] (metal) (see paint market).			
Acetate,[1] white, broken, bbls.	lb.	.12½-	—
cryst., bbls	lb.	.12½-	—
gran., powd., bbls	lb.	.13¼-	—
Lead arsenate,[1,6] paste, standard, cns., c.l.	lb.	.05¾-	.06
l.c.l.	lb.	.06 -	.06¼
powder, basic, 5-lb. bgs. or larger, c.l.	lb.	.11½-	.12
l.c.l.	lb.	.12 -	.13¼
1-lb. ctns., c.l.	lb.	.18½-	.23¼
l.c.l.	lb.	.19 -	.23
5-lb. bgs. or larger, c.l.	lb.	.11 -	.11½
l.c.l.	lb.	.11½-	.12
1-lb. bgs., c.l.	lb.	.16 -	.20
l.c.l.	lb.	.16½-	.20¼
1-lb. ctns., c.l.	lb.	.18 -	.22
l.c.l.	lb.	.18½-	.23¼
½-lb. ctns., c.l.	lb.	.21 -	.25
l.c.l.	lb.	.21½-	.25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.07½-	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev. N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾-	—
l.c.l., dlvd. E.	lb.	.07¾-	—
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08 -	—
Carbonate (see Lead, white).			
Chloride, fib. dms	lb.	.49 -	—
Iodide, NF V, powd., bots.	lb.	2.80 -	—
jars	lb.	2.60 -	—
Linoleate, pale, precip., bbls.	lb.	.22½-	—
Metallic paste, works	lb.	.19¾-	.21½
Naphthenate, 24%-30% Pb 50-gal. dms.	lb.	.14½-	.17½
Nitrate, bbls	lb.	.12½-	—
Oleate, bbls	lb.	.17¾-	—
Peroxide, powd., tech., bbls.	lb.	.23 -	—
Lead, red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼-	—
other points	lb.	.09 -	—
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¼-	—
Colo., Mont., N. Mex., other points	lb.	.09½-	—
smaller lots, Ala., etc.	lb.	.10¾-	—
Ariz., etc.	lb.	.10¾-	—
Colo., etc.	lb.	.10½-	—
other points	lb.	.10 -	—
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc.	lb.	.09½-	—
other points	lb.	.09¾-	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10 -	—
Ariz., etc.	lb.	.10½-	—
Colo., etc.	lb.	.10¾-	—
other points	lb.	.09¾-	—
smaller lots, dlvd. Ala.	lb.	.10¾-	—
Ariz., etc.	lb.	.11 -	—
Colo., etc.	lb.	.10¾-	—
other points	lb.	.10¼-	—
90% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.09¾-	—
other points	lb.	.09½-	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10¼-	—
Ariz., etc.	lb.	.10¾-	—
Colo., etc.	lb.	.10½-	—
other points	lb.	.10 -	—

LANOLINE

Anhydrous U. S. P. Hydrous

Technical

WOOLGREASE

Refined Neutrals

All Grades

ROWAG

BEESWAX

Sunbleached U. S. P. Yellow

ROBINSON WAGNER CO.

MANUFACTURERS AND REFINERS

110 E. 42nd St. New York 17, N. Y.

Lead, red, dry, 98% Pb_3O_4, bbls., l.c.l., smaller lots, dlvd., Ala., etc.	lb.	.10½- —
Ariz., etc.	lb.	.11¼- —
Colo., etc.	lb.	.11 - —
other points	lb.	.10½- —
in oil, 95% min., kgs.	lb.	.14 - —
Resinate, precip., 23.3% Pb., 100-lb. dms.	lb.	.17½- —
Silicate, bgs.	lb.	.0730- .0780
Soyate, 26.15% Pb., 50-gal. dms.	lb.	.22½- —
Stearate, bbls.	lb.	.31 - .33
Sulphate (see Lead, white, basic sulphate).		
Tallate, 10% Pb., 60-gal. dms.	lb.	.06¼- —
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.06¼- —
dlvd., other points.	lb.	.06¼- —
l.c.l., dlvd. Ariz., etc.	lb.	.06¾- —
other points	lb.	.06½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07½- —
other points	lb.	.07¼- —
l.c.l., dlvd. Ariz., etc.	lb.	.08 - —
other points	lb.	.07½- —
in oil, consumers, kgs.	lb.	.13¼- .13¾
dealers, 100-lb. kg.	lb.	.11¼- .11½
painters, 100-lb. kg.	lb.	.12¾- .12¾
Lecithin, ea. A, dms., c.l.	lb.	.23¼- —
l.c.l.	lb.	.26½- .45
in cocoa butter, dms., c.l.	lb.	.39¼- —
l.c.l.	lb.	.40¾- .59
pure vegetable, bots., 100-lb. lots.	lb.	2.75 - —
tech., dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.26½- .45
Lemon peel, bls.	lb.	.30 - .35
Licorice extract, mass, cns.	lb.	.25 - .72
powd., bbls.	lb.	.60 - .80
root, natural, Indian, bls.	lb.	.12 - .14
powder, bbls.	lb.	.18 - .20
Russian, bls.	lb.	.12 - .15
Spanish, bls.	lb.	.12 - .18
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.— Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkley, W. Va.	ton.	7.50 - —
Carey, Ohio	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.25 - —
Eagle Mountain, Va.	ton.	7.00 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio	ton.	7.00 - —
Hannibal, Mo.	ton.	6.50 - —
Keystone, Ala.	ton.	6.25 - —
Knoxville, Tenn.	ton.	6.25 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.25 - —
Manistique, Mich.	ton.	8.00 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newala, Ala.	ton.	6.25 - —
Rincon, Cal.	ton.	13.00 - —
Riverton, Va.	ton.	7.00 - —
Ripplemead, Va.	ton.	7.00 - —
Rockland, Me.	ton.	8.00 - —
San Francisco, Cal.	ton.	13.00 - —
Scioto, Ohio	ton.	.650 - —
Springfield, Mo.	ton.	7.00 - —
Woodville, Ohio	ton.	7.00 - —
York, Pa.	ton.	9.00 - —
Lime, hydrated, paper bags, f.o.b. Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	9.00 - —
Bellefonte, Pa.	ton.	9.00 - —
Berkley, W. Va.	ton.	9.00 - —
Buffalo, N. Y.	ton.	10.00 - —
Carey, Ohio	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	9.00 - —
Crab Orchard, Tenn.	ton.	9.00 - —
Eagle Mountain, Va.	ton.	8.50 - —
Farnams, Mass.	ton.	9.00 - —
Gibsonburg, Ohio	ton.	9.00 - —
Hannibal, Mo.	ton.	9.00 - —
Keystone, Ala.	ton.	9.00 - —
Knoxville, Tenn.	ton.	9.00 - —
Le Roy, Minn.	ton.	10.00 - —
Lime Crest, N. J.	ton.	8.50 - —
Limedale, Ark.	ton.	9.00 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio	ton.	9.50 - —
Martinsburg, W. Va.	ton.	9.00 - —
Mitchell, Ind.	ton.	9.00 - —
Newala, Ala.	ton.	9.00 - —
Potoskey, Mich.	ton.	9.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. D.	ton.	12.00 - —
Ripplemead, Va.	ton.	9.00 - —
Rockland, Me.	ton.	9.00 - —
San Francisco, Cal.	ton.	16.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio	ton.	9.00 - —
York, Pa.	ton.	9.00 - —
spray, paper bgs., f.o.b., Adams, Mass.	ton.	9.50 - —
Annville, Pa.	ton.	9.50 - —
Bellefonte, Pa.	ton.	9.50 - —
Carey, Ohio	ton.	11.00 - —
Farnams, Mass.	ton.	10.00 - —
Gibsonburg, Ohio	ton.	11.00 - —
Lime Crest, N. J.	ton.	9.00 - —
Ohio	ton.	11.00 - —
Scioto, Ohio	ton.	10.00 - —
Woodville, Ohio	ton.	11.00 - —
York, Pa.	ton.	9.50 - —
Lime salts (see Calcium).		
Lime-ammonia-nitrogen,[6] 20.8% N (See Ammonia, Nitrate, Limestone).		
Linalool, cns.	lb.	6.75 - 7.00
Linalyl acetate, cns.	lb.	8.25 - 8.75
Linden flowers with leaves, bls.,	lb.	.90 - 1.00
Linseed meal,[1] 34%, bulk, c.l.	ton.	45.00 - —
32%, bulk, c.l.	ton.	43.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash.	lb.	.08¼- —
other points.	lb.	.08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼- —
Colo., Mont., N. Mex., Wyo.	lb.	.09 - —
Other points	lb.	.08½- —
smaller lots, dlvd., Ala., etc.	lb.	.09¼- —
Ariz., etc.	lb.	.09¾- —
Colo., etc.	lb.	.09½- —
Other points	lb.	.09 - —
Reckland, Me.	ton.	10.00 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald.	lb.	1.90 - —
smaller lots, works.	lb.	1.92 - 1.98
Carbonate, NF,, 250-lb. bbls., kgs.	lb.	1.25 - 1.30
Chloride, jars.	lb.	1.65 - 1.70
Citrate, bbls., dms., kgs.	lb.	1.40 - 1.45
Fluoride, bbls.	lb.	2.45 - 2.60
Hydroxide, jars.	lb.	1.25 - 1.40
Iodide, 5-lb. bots.	lb.	5.20 - —
25-lb. jars.	lb.	5.05 - —
Stearate, fib. dms., 3 tons, works.	lb.	.50 - —
Lithopone,[1] ordinary, bgs. (20 tons)	lb.	.04¼- —
smaller lots.	lb.	.04½- —
bbls., c.l. (20 tons)	lb.	.04½- —
smaller lots.	lb.	.04¾- —
titanate,[6] (high-strength), bgs., c.l.	lb.	.0580- —
smaller lots.	lb.	.0585- —
bbls., c.l.	lb.	.0585- —
smaller lots.	lb.	.0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ¼c. higher.		
Liverwort leaves, bls.	lb.	.85 - .90
Lobelia herb, bls.	lb.	1.00 - 1.05
Lobeline sulphate, bots., wks.	oz.	35.50 -38.00
Logwood, cryst., No. 1, bbls.	lb.	.22 - —
No. 2, bbls.	lb.	.20 - —
extract, liquid, No. 1, bbls.	lb.	.14 - —
No. 2, bbls.	lb.	.13 - —
No. 3, bbls.	lb.	.12½- —
No. 4, bbls.	lb.	.10 - —
solid, No. 1, bxs.	lb.	.22½- —
No. 2, bxs.	lb.	.21½- —
Lovage (ligusticum actae folium) root, dom., bls.	lb.	1.20 - 1.50
Lupulin, NF, tins.	lb.	8.00 -10.00
Lycopodium, USP, cs.	lb.	2.75 - 3.00

M

Mace,[1] Amboyna, cs.	lb.	.77 - .78
Banda, cs.	lb.	.96 Nom.
West Indian, bgs.	lb.	.82 - .83
broken, bgs.	lb.	.55 - .56
Madder, Dutch, bbls.	lb.	.24 - .30
Magnesia arsenate,[1,9] dms.	lb.	.153 - .18
Calcined, tech., USP, bbls., works.	lb.	.26 - —
Carbonate, tech., Zone 1, c.l., bgs.	lb.	.06¼- —
bbls.	lb.	.07½- —
kgs.	lb.	.08¾- —
l.c.l., bgs.	lb.	.07¼- —
bbls.	lb.	.08½- —
kgs.	lb.	.09¾- —
Zone 2, c.l., bgs.	lb.	.06¼- —
bbls.	lb.	.07½- —
kgs.	lb.	.08¾- —
l.c.l., bgs.	lb.	.07 - —
bbls.	lb.	.08¼- —
kgs.	lb.	.09½- —
USP, Zone 1, c.l., bgs.	lb.	.08 - —
bbls.	lb.	.08½- —
kgs.	lb.	.09¾- —
l.c.l., bgs.	lb.	.09 - —
bbls.	lb.	.09½- —
kgs.	lb.	.10¾- —
Zone 2, c.l., bgs.	lb.	.06¼- —
bbls.	lb.	.06½- —
kgs.	lb.	.09¾- —
l.c.l., bgs.	lb.	.08¼- —
bbls.	lb.	.09¼- —
kgs.	lb.	.10½- —

Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.

Chloride, anhyd., bbls., dlvd.	lb.	.12¾- —
flake, bbls., c.l., works.	ton.	32.00 - —
l.c.l., works.	ton.	39.00 -42.00
Fluoride, bbls.	lb.	.40 - .50
Hydroxide, med., bbls., dms., kgs.	lb.	.29 - .30
Hypophosphite, cns.	lb.	1.45 - —
Laurate, bbls.	lb.	.33 - .35
Oxide (see Magnesia, calcined).		
Peroxide, 15%, dms., works.	lb.	1.00 - 1.35
Phosphate, tribasic, USP, bbls.,	lb.	.60 - —
Silicate (see Talc).		
Silicofluoride, bbls.	lb.	.08 - .09
Stearate, bbls.	lb.	.31 - .32
Sulphate (see Epsom salt).		
Trisilicate, dms., 1,000-lb. contracts.	lb.	.37 - —
smaller lots, dms.	lb.	.42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif.	ton.	38.75 - —
dead-burnt[1] bulk, c.l., f.o.b. Chewelah, Wash.	ton.	22.00 -32.00
Maleic anhydride[6] drs., c.l.	lb.	.25 - —
l.c.l.	lb.	.26 - —
Malva flowers, black, bls.	lb.	No stocks
blue, bls.	lb.	No stocks
Leaves, bls.	lb.	.35 - .40
Manaca root, bls.	lb.	.26 - .34
Mandrake root, bls.	lb.	.20 - .25
Manganese acetate, dms.	lb.	.25½ —
Arsenate,[6] bgs.	lb.	.12 - .12½
Borate, tech., bbls.	lb.	.16 - .18
Carbonate, bbls.	lb.	.19 - —
Chloride, anhyd., bbls.	lb.	.15 - .18
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works	ton.	74.00 - —
5-15 tons, works.	ton.	77.00 - —
smaller lots, works.	ton.	82.00 - —
Caucasian, 85-90%, bbls., c.l., works.	ton.	74.00 - —
l.c.l., 5 tons, works.	ton.	77.00 - —
smaller lots, works.	ton.	82.00 - —
burlap bgs., c.l., works,	ton.	71.75 - —
l.c.l., 5 tons, works.	ton.	74.75 - —
smaller lots, works.	ton.	79.75 - —
paper bgs., c.l., works.	ton.	70.00 - —
l.c.l., 5 tons, works.	ton.	73.00 - —

You can use Versatile Sulfuryl Chloride in many Different Reactions

ARMY E NAVY

Sulfuryl Chloride is a versatile reagent valuable in the synthesis of organic chemicals. Reactions are simple, easily controlled, and yield is high.

Chlorination of Aromatics and Aliphatics

In the chlorination of aliphatic and aromatic compounds, Sulfuryl Chloride is firmly established. Among these reactions are those with sodium salts of organic acids to produce organic acid chlorides. It is used to chlorinate phenols and its derivatives, and while the products obtained are in general the same as with gaseous chlorine, with Sulfuryl Chloride the reaction is less vigorous and more easily controlled. It also chlorinates aromatic amines readily without the aid of catalysts.

With the use of aluminum chloride (also produced at Hooker) as catalyst, benzene and toluene may be chlorinated in stages. With naphthalene, sulfuryl chloride demonstrates its sensitivity to altering reaction conditions —as chlorination can be made to give 1-chloronaphthalene, 1, 4-dichloronaphthalene or 1, 2, 3, 4-tetrachloro-1, 2, 3, 4-tetrahydro naphthalene.

It has recently been discovered that chlorination of aliphatic hydrocarbons and their derivatives with sulfuryl chloride in the presence of small amounts of peroxide takes place at moderate temperatures. Generally speaking, the products of chlorinating various paraffin hydrocarbons and their halogen derivatives parallel those produced by the photo chemical reaction with gaseous chlorine.

Sulfonation of Aromatics and Aliphatics

But this versatile chemical is not satisfied with serving only in chlorinating reactions. Of almost equal importance is its use in sulfonation of both aromatic and aliphatic compounds. Recent reports indicate that by the addition of small quantities of aluminum chloride to a cooled reaction mixture of sulfuryl chloride and aromatic hydrocarbons, such as benzene, toluene, xylene and mesitylene, sulfonyl chloride derivatives could be obtained.

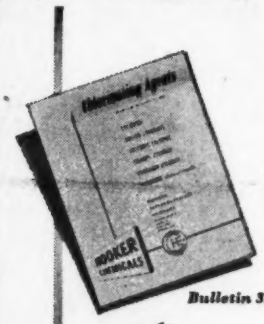
In the sulfonation of aliphatic compounds, it has been found that in the presence of light and a catalyst such as pyridine, sulfuryl chloride and paraffin hydrocarbons undergo a rapid, vigorous reaction with the formation of alkyl sulfonyl chlorides, with yields in some cases as high as 70%. Among the hydrocarbons thus sulfonated are cyclohexane, n-butane, ethylbenzene, and *tert*-butylbenzene.

Acylation

In many reactions Sulfuryl Chloride reacts as an acid chloride of sulfuric acid to form alkyl chlorsulfonates with many aliphatic alcohols. Aliphatic amines and aromatic amines may also be reacted with Sulfuryl Chloride to produce a number of interesting acylated products. Sulfuryl Chloride is capable of many other interesting reactions not described herein.

Literature on Sulfuryl Chloride Available

Hooker Bulletin 328A on chlorinating agents gives more complete information on sulfuryl chloride and other Hooker chlorinating agents. The Hooker Electrochemical Co. also has available Bulletin 330, reprint of an article "Sulfuryl Chloride in Organic Chemistry," which recently appeared in Industrial and Engineering Chemistry. Both are available when requested on your letterhead.



Bulletin 328-A

Bulletin 330

HOOKER ELECTROCHEMICAL COMPANY

1 Forty-Seventh St., Niagara Falls, N. Y.

New York, N. Y. • Tacoma, Wash.
Wilmington, Calif.

HOOKER CHEMICALS

CAUSTIC SODA MURIATIC ACID

CHLORINE PARADICHLORBENZENE

Manganese, glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½ - .16½
Soyate, 8.2% Mn, 50-gal. dms. lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
fert., 65% $MnSO_4$, bgs., c.l., same basis or f.o.b. Balto. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¼
Tallate, 4% Mn, 50-gal. dms..lb. .09 - —
Mangrove bark, E. Arr., if and when available, bgs., based on freight $18, insurance $1 per ton. Any difference for buyers' account..ton.65.00 -68.00
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .35 - —
Manure, sheep, bgs., c.l., Mid-west shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -26.00
Marjoram, Argentine, bls....lb. .29 - .30
California, French type, bls., f.o.b. Pacific Coast..lb. .45 - .46
Chilean, bls.....lb. .25 - .26
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots.....gram. .10 - —
Menthol, tech., synth., cns....lb. 5.00 - 6.00
USP,[1] natural, cns.....lb.13.00 -13.25
synth., cns.....lb.13.00 - —
racemic, cns.....lb. 6.60 - 9.15
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10% tubs..lb. .70 - .72
30% pails.....lb. 1.20 - 1.31
50% pails.....lb. 1.64 - 1.66
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.37 - 2.39
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 2.62 - —
Iodide,[2] red, NF, dms., kgs.lb. 4.30 - —
yellow, fib. dms., kgs.....lb. 4.40 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red, precipitated).
tech. (see Red, mercury oxide)
yellow, NF VI, fib. dms..lb. 2.94 - 2.96
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.62 - 1.67
dms.....lb. 1.55 - 1.57
Mesityl oxide, dms., c.l., dlvd..lb. .11½ - —
l.c.l., dlvd.....lb. .12 - —
tanks.....lb. .10½ - —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,3,6] natural, all grades, dms., c.l., E. of Miss. R., gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.

synthetic, dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½ - —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, dms., c.l., dlvd., lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd., lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½ - .12
W. of Miss.....lb. .11½ - .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½ - —
W. of Miss.....lb. .10½ - —
tech., dms., c.l., E. of Miss., lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½ - .11
W. of Miss.....lb. .08½ - .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½ - —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —

Methyl acetone, nat., Group B, tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .84½ - —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C. Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½ - —
Zone 4.....gal. .54½ - —
l.c.l., Zone 1.....gal. .54½ - —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½ - —
tanks, Zone 1.....gal. .48 - —
Zone 2.....gal. .44½ - —
Zone 3.....gal. .45½ - —
Zone 4.....gal. .45½ - —

Synthetic methyl acetone sales zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).

Methyl anthranilate, 100-lb. lots, lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate,[6] ctns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl. mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., c.l., dlvd.....lb. No stocks
Iodide, bots.....lb. 4.00 - 4.15
tech., c.l., works.....lb. .33 - —
l.c.l., works.....lb. .23½ - .34½
Oleate, dms., l.c.l.....lb. .35 - —
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, speci., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —

Methylcellulose, standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt alld..lb. .53 - —
100 to 1,999 lbs., frt. alld. lb. .58 - —
1 to 99 lbs., works.....lb. .68 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs.100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —
tanks, same basis.....lb. .06 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½ - —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½ - —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10
Methylpentanediol, com'l, dms., l.c.l., works..lb. .30 - —
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.37.50 - —
l.c.l.....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l.....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l.....ton.32.50 - —
80 mesh, bgs., c.l....ton.35.00 - —
l.c.l.....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. ... .ton.43.50 - —

TIO OIL TIO OIL TIO OIL TIO

Looking for a Fast-Bodying Oil?

Look into

TIO OIL

The New "Activated" Linseed Oil

NO oil can fit *all* formulations and product price requirements. "Seven-Ten" doesn't claim to. But one thing is sure: With Tung, Perilla and other oils on the unobtainable or scarce list, you are overlooking a good bet if you don't try this new, fast-bodying oil which is being so favorably received all around.

Seven-Ten Oil is not only available but it comes in V, Z3 and 10-M viscosities, with the following typical characteristics and properties:

	Viscosity V	Viscosity Z3	Viscosity 10-M
Viscosity in Poises	9	46	600
Specific Gravity—15.5° C.	.9675	.9695	.9750
Weight per gal. (lbs.)	8.01	8.03	8.07
Gallons per lb.	.1248	.1245	.1239
Acid Number	12	14	16
Iodine Number	143	134	110
Refractive Index	1.4881	1.4910	1.4918
Color (G)	14	14	15
Gel Time at 565° F.	99 Min.	55 Min.	20 Min.

The above gel times give a good idea of the bodying rates of Seven-Ten Oil. The time-saving feature of this oil is shown further by the following direct comparison made with linseed oil of Z2 viscosity in processing batches of ester gum general purpose varnishes.

Base Oil	Processing Time	Varnish Visc. (G-H)
TIO OIL, V	90 min.	U
TIO OIL, Z3	62 min.	W-
TIO OIL, 10-M	24 min.	X
Linseed Oil, Z2	114 min.	V

In each case, ester gum was heated with 80 gallons of the base oil to 600° F and held for a hot paddle string, checked with 20 gallons base oil, and thinned to 66% non-volatile.

"Seven-Ten is *all* linseed oil—it contains no other rapid bodying oils or special resin. Fast-bodying, quick-setting, hard through drying, requiring no unusual technique or special equipment in handling, it is proving very attractive to manufacturers of varnishes, flats and enamels.

For complete information and test samples, address nearest branch office.

NATIONAL LEAD COMPANY

New York, Buffalo, Chicago, Cincinnati, Cleveland, St. Louis, San Francisco, Boston (National-Boston Lead Co.), Pittsburgh (National Lead & Oil Co. of Penna.), Philadelphia (John T. Lewis & Brothers Co.)

Mica, wet-grd.,[1] biotite, c.l., bgs..lb. .04 - —
1,000 mesh, bgs., e.l.....lb. .03¾- —
l.c.l. .....lb. .04½- —
white, 1,000 mesh, bgs., e.l.lb. .05¾- —
l.c.l. .....lb. .06¾- —
paint or lacq., e.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05½- —
rubber, e.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —
wallpaper, bgs., e.l.....lb. .04¾- —
l.c.l. .....lb. .05½- —

Mica, dry grd., quotes works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A...lb. .14½- —
Zone B.....lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B., Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I. and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾- .27⅛

Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½ - —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .06½- —
l.c.l. .....lb. .07 - .09
Monoethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24½- —
l.c.l., dms., same basis....lb. .25½- —
tanks, same basis.....lb. .23½- —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylaniline, dms.....lb. .47 - —
Monomethyl para aminophenol sulphate, dms..lb. 2.40 - 2.90
Monomethylamine, dms.....lb. .05 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .12 - .13
Mullein leaves, cns.....lb. .75 - —
Musk, nat., Tonquin, grains, bots. oz.40.00 -45.00
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more. lb. 4.15 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more, lb. 1.40 - 2.05
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs., lb. .16 - .16⅛
Montana, yellow, bgs.....lb. .13 - .13⅛
Washington, yellow, bgs.....lb. .13 - .13½
Myrobalans,[6] J1, whole, bgs., frt. guar., insurance $1. Any difference for buyers' account..ton.60.00 -63.00
crushed, same basis.....ton.71.00 -75.00
J2, whole, bgs., same basis... ton.51.00 -54.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .027½ —
Naphthalene, crude, dom., 78°, bgs., c.l., same basis..lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
bbls., wholesalers and jobbers, works..lb. .06 - —
tanks, same basis.....lb. .03 - —
50-lb. cs., same basis...lb. .06¾- —
1-lb. pkgs., same basis..lb. .08¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —

Nepheline syenite in bgs. is priced $3 per ton above the bulk quotations.

Neroline, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6,6] carbonate, bbls....lb. .36 - .36⅛
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,6] black, bbls.....lb. .35 - .36
Salt,[6,6] bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., 50 lbs., works, frt. prepaid..lb. .8660- —
tins, 10 lbs.....lb. .1015- —
Nicotinamide,[6] USP, dms....kilo.13.25 -13.55
Nikethamide, bots., cbys.....lb.17.00 -18.00
Nitercake, bulk works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .26 - —
5-7, 40-60 cps., same basis. lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —

Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.

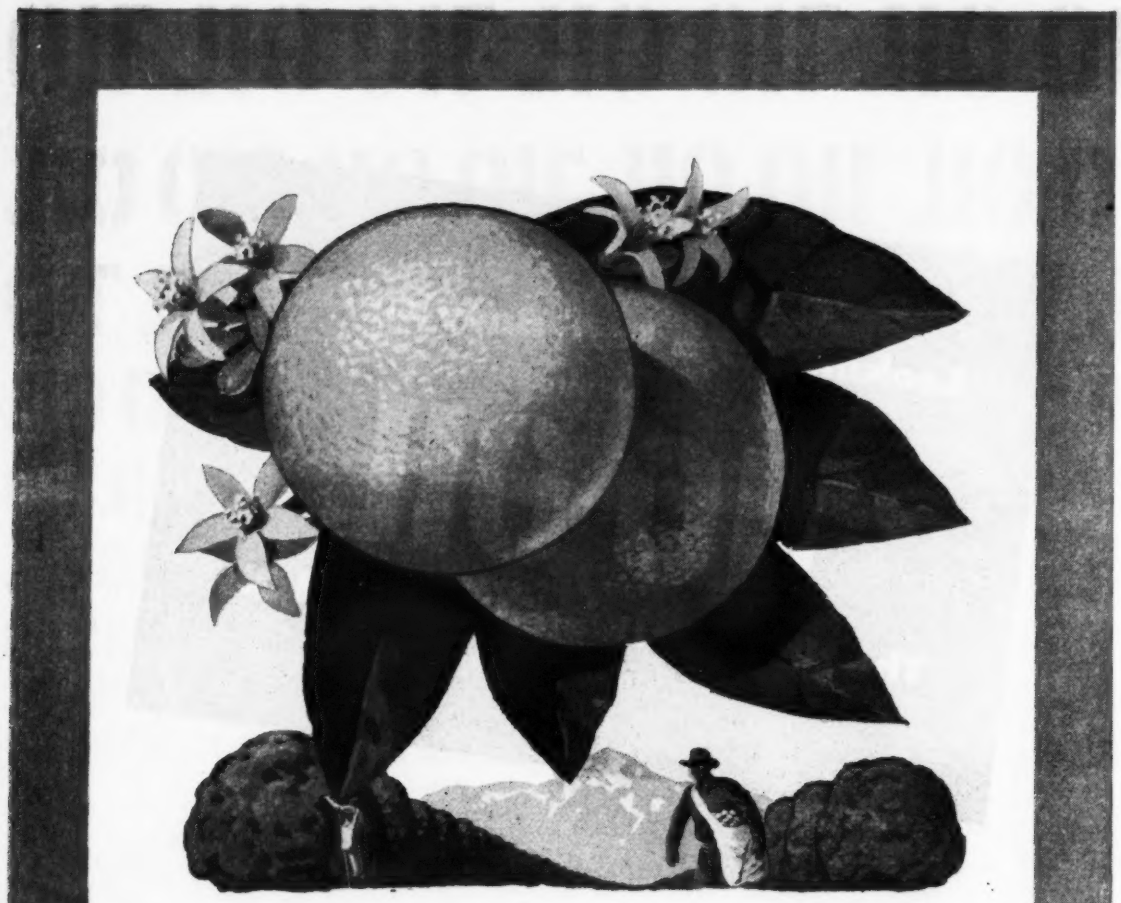
Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen, solut.,[6] tanks...ton N.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.

Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + 4.40- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane ., dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .47 - .48
Chinese, bgs.....lb. .45 - .46
Nutmegs,[1] E. I., grinding, bgs., lb. .45 - .46
100's, bgs.....lb. .47 - .48
West Indian, No. 1, futures, bgs..lb. .34¼- .34⅜
Nux vomica, bls.....lb. .08½- .09
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. drms., dlvd..lb. .85 - —
Oil, almond, bitter, artl. (see Benzaldehyde).
bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.50 - 1.60
Angelica root, bots.....lb.140.00 -150.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, Russian, cns...lb. 4.00 - 4.25
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,6] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.50 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 4.25
natural, Italian, coppers...lb. 6.00 - 6.50
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns...lb. 5.50 5.75 + .75
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP 1X (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 2.25 - 2.30
redistilled, USP X, cns....lb. 2.40 - 2.45
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns...lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.12.50 -13.50
rectified, cns.....lb.14.00 -15.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb.17.00 -20.00
Cardamom, bots.....lb.19.00 -21.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, l.c..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l.lb. .14 - —
cns. .....lb. .15¾- .17⅞
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb. .1690- —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (45% fat), dms., c.l..lb. .09¼- .09⅝
l.c.l. .....lb. .10¼- .11
75% (63% fat), dms., c.l..lb. .12 - .12¼
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12¾- .12⅞
l.c.l. .....lb. .13¼- .13⅝
Cedarleaf,[1] cns., dms.....lb. 2.60 - 2.85
Cedarwood, dms.....lb. 1.00 - 1.25
Celery, bots.....lb.19.00 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood (see Oil, tung).
Cinnamon bark oil, bots....lb.36.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .90 - .95
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.70 - 1.75
Coconut,[1,6] Ceylon, crude, bulk, c.i.f., N. Y..lb. .0885- —
Cochin type, crude, bulk, c.i.f., N. Y..lb. .0935- —
Manila, crude, bulk, c.i.f., N. Y..lb. .0835- —
ret. dms. .....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfouadland, dms...gal. .85 - .88
tankcar .....gal. .82 - —
Codliver,[6] med., USP, bbls., dms..gal. 2.30 - 2.40
Coriander, bots.....lb.30.00 -35.00



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Producing Plant:
THE EXCHANGE ORANGE PRODUCTS CO., ONTARIO, CALIF.

Exchange
OIL OF
ORANGE
U. S. P.

Oil, corn,[1,5] crude, tanks, works, lb.	.12¾-	—
edible, dms., l.c.l. lb.	.16½-	.16½
tanks lb.	.1502-	—
foots, acid 95%, tanks, dlvd. E. lb.	.07½-	—
raw, 50%, tanks, dlvd. E. lb.	.03½-	—
Cottonseed,[1,5] cooking, l.c.l., ret. dms. lb.	.16¼-	—
foots, acid, 95%, tankcar, dlvd. E. lb.	.07⅝-	—
raw, 50%, tankcar, dlvd. E., lb.	.03⅜-	—
salad, l.c.l., ret. dms. lb.	.16½-	—
Creosote (see C).		
Croton, NF, cns. lb.	4.00	- 4.25
Cubeb, USP, cns. lb.	No prices.	
Crude (see Petroleum, crude).		
Cumin, bots. lb.	No stocks	
Cypress, bots. lb.	12.60	- —
Degras (see D).		
Dilseed, bots. lb.	10.00	Nom.
weed, bots. lb.	4.75	- 5.00
Dip (see D).		
Erigeron, cns. lb.	2.25	- 2.40
Eucalyptus, cns. lb.	1.09	- 1.20
Fennel, sweet, cns. lb.	4.50	Nom.
Fir, Canada, cns. lb.	2.50	- 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram, per million units.	.14	- —
for each 1,000 additional A units up to 200,000 per gram, per million units.	.001	- —
200,000 or more A units, per million units.	.30	- —
Fuel (see Petroleum, fuel oil).		
Gaultheria (see Oil, wintergreen leaf).		
Geranium, Algerian, cns. lb.	12.00	Nom.
Bourbon, cns. lb.	10.00	-11.00
Russian, cns. lb.	15.50	- —
Turkish (see Oil, palmarosa).		
Grapefruit, cns. lb.	2.05	- 2.10
Ginger, dist., bots. lb.	20.00	-22.50
Hemlock, cns. lb.	2.65	- 3.34
Juniper berry, cns. lb.	15.00	-16.00
wood, tech., cns. lb.	1.00	- 1.25
Juniper tar, USP, dms. lb.	1.15	- 1.20
Lard,[5] common, 1 bbl. lb.	.14	- —
extra, No. 1, bbls. lb.	.14½-	—
Winter, strained, bbls. lb.	.15	- —
prime, burning, bbls. lb.	.16	- —
lined, bbls. lb.	.15½-	—
Laurel, bots. lb.	No prices.	
Lavandin, cns. lb.	8.00	- —
Lavender flower, French., cns., lb.	No prices	
Russian, cns. lb.	11.00	-11.50
garden, cns. lb.	.55	- .75
spike, Spanish, pure, cns. lb.	3.50	- 4.00
tech., cns. lb.	2.75	- 3.00
Lemon, Calif., cns. lb.	3.25	- —
Messina, cns. lb.	3.25	- —
Terpeneless lb.	25.00	-50.00
Lemongrass, cns., dms. lb.	1.65	- 1.70
Lignaloe wood, Brazilian (see Bois de Rose).		
Mexican, seed, cns. lb.	No stocks	
wood, cns. lb.	4.00	- 4.25
Lime, dist., Jamaica, cns. lb.	6.50	- 7.50
Mexican, cns. lb.	6.00	- 6.50
expressed, Jamaica, cns. lb.	11.00	-12.50
Linseed,[1] raw, dms., c.l. lb.	.1510-	—
l.c.l. lb.	.1600-	.1660
tankcar lb.	.1470-	—
tankwagon lb.	.1470-	—
Boiled linseed oil, .004 over raw.		
Linseed replacement, dms. lb.	.1310-	.1510
tankcar lb.	.1270-	.1470
Lubricating,[1] at refinery, extax, California, neutrals, pale, 200-800 vis., 2¼-4 pour, tanks. gal.	.07¼-	.11
red, 200-900 vis., 4-6½ pour, plus tanks. gal.	.07¼-	.11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks. gal.	.25	- —
300 vis., No. 3 col., 0-10 pour, tanks. gal.	.14½-	.18
200-280 vis., No. 3 col., 15-25 pour, tanks. gal.	.15	- .17½
140-150 vis., No. 8 color, 10-25 pour, tanks. gal.	.24	- .30
cylinder oils, 600-630 flash, tanks. gal.	.16	- .17
600-650 steam ref'd, tanks. gal.	.15	- .15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks. gal.	.29	- .31
200 vis., 0-25 pour, tanks. gal.	.31	- .33
Mace, dist., cns., dms. lb.	5.00	- 5.25
Mandarin, Brazilian, cns. lb.	8.75	- 9.00
Menhaden,[1,5] crude, tanks, Balto. lb.	.0690-	—
refined, alkali, dms., l.c.l. lb.	.1400-	—
kettle-bodied, dms., l.c.l. lb.	.1500-	—
light-pressed, dms., l.c.l. lb.	.1300-	—
tankcars lb.	.1220-	—
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns. lb.	No stocks	
Mustard seed,[6] exp., dms. lb.	.14⅜-	—
Neatsfoot, 15° c.l., bbls. gal.	1.90	- —
20° c.l., bbls. gal.	1.80	- —
30°, c.l., bbls. gal.	1.60	- —
pure, bbls. lb.	.18½	Nom.
Neroli, bots. lb.	200.00	-300.00
Nutmeg, dist., cns., dms. lb.	5.00	- 5.25
Oiticica, liquid, dms., c.l. lb.	.20	- —
l.c.l. lb.	.20½-	—
Oleo,[6] No. 1, bbls. lb.	.13¼	Nom.
Olibanum, bots. lb.	5.00	- —
Olive, denat., dms. gal.	No stocks	
edible,[1] Calif., ½%-3% f.f.a., works, dms. gal.	4.30	- 4.80
imported, dms. gal.	No stocks	
foots, dms. lb.	No stocks	
sulphonated, 50% (40% fat), dms., c.l. lb.	No prices	
l.c.l. lb.	No prices	
80% (68% fat), dms., c.l. lb.	No prices	
l.c.l. lb.	No prices	
85% (68% fat), dms., c.l. lb.	No prices	
l.c.l. lb.	No prices	
Orange, sweet, dist., cs. lb.	1.00	- —
expressed, Brazilian, cns. lb.	1.10	- 1.15
Calif., cns. lb.	1.45	- 1.75
Florida, cns., dms. lb.	1.10	- 1.20
Messina, USP, coppers. lb.	No stocks	
West Indian, cns. lb.	3.75	- 4.00
sequiterpeneless, bots. lb.	97.00	-100.00
Origanum, Spanish, cs. lb.	2.40	- 2.75
Palm,[1,5] Niger, dms. lb.	.0665-	—
Palmarosa, cns. lb.	5.50	- 5.75
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S. gal.	.05⅝-	—
320° flash, 60-70 vis., tanks, same basis. lb.	.05¼-	—
350° flash, 70-80 @ 100 vis., 0/10 pour. gal.	.08	- —
80-85 vis., 0/10 pour, bbls., extra. Ind. refy. gal.	.12	- —
100-110 vis., 0/10 pour, same basis. gal.	.08¼-	—
10/25 pour, same basis. gal.	.08¼-	—
100-105 vis., 0/10 pour, same basis. gal.	.14	- —
Patchouli, cns. lb.	20.00	Nom.
Peanut,[1,5] crude, tanks, mill. lb.	.13	- —
bleached, deod., tankcar. lb.	.1501-	—
hydrogenated, tanks. lb.	.1573-	.1578
foots, acid, 95%, tanks, dlvd. E. lb.	.08	- —
raw, 50% ,tanks, dlvd. E. lb.	.04	- —
Pennyroyal, dms., cns. lb.	4.10	- 4.25
import, cns. lb.	No prices	
Peppermint, natural, dms. lb.	7.50	- —
redist., USP, dms. lb.	8.06	- —
Perilla, crude, dms. lb.	No stocks	

Oil, petitgrain, Paraguay, cns., dms. lb.	1.80	- 1.85
Pimento, berry, dms. lb.	8.00	- 8.25
Leaf, cns. lb.	4.35	- 4.50
Pine,[1,6] ret. dms., c.l., dlvd. E. gal.	.63	- .63½
l.c.l., ret. dms., dlvd. E. gal.	.73	- —
tanks, works gal.	.55	- —
Pineneedle, cns. lb.	3.10	- 3.15
Putty,[2] bbls., E. Segundo, Richmond, Cal. gal.	.22½-	—
contracts gal.	.19½-	—
dms., c.l., Whiting, Ind. gal.	*.34	- —
Boston, Providence gal.	.25	- —
l.c.l., same basis gal.	.27	- —
tanks, same basis gal.	.18	- —
Martinez, Cal. gal.	.28	- —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.		
Rapeseed,[1,5] bulk, New Orleans. lb.	.1156½-	—
Red,[1] dist., dms., dlvd. lb.	.12¾-	.13⅝
tanks, dlvd. lb.	.12½-	—
double dist., ret. dms. lb.	.15⅝-	.16⅝
Saponified, same prices.		
Rose, natural, coppers. oz.	30.00	-40.00
Rosemary, Spanish, cns., dms. lb.	1.60	- 2.00
Rosin, 1st rectified, dms. gal.	.66	- —
2d rectified, dms. gal.	.68	- —
3d rectified gal.	.72	- —
Rue, bots. lb.	6.25	Nom.
Sage, Spanish, cns. lb.	3.60	- 5.00
Sandalwood, NF, dist., cns. lb.	6.75	- —
Mysore, cns., case lots. lb.	7.00	- 7.25
Sardine, crude,[1,5] tanks, Pac. Coast. gal.	.66⅝-	—
refined, alkali, dms., l.c.l. lb.	.1400-	—
kettle-bodied, dms., l.c.l. lb.	.1500-	—
light-pressed, dms., l.c.l. lb.	.1300-	—
tankcars lb.	.1220-	—
Sassafras, artif., cns. lb.	1.05	- 1.40
natural, cns., dms. lb.	1.90	- 2.00
Savin, cns. lb.	No stocks	
Savory, cns. lb.	8.00	- —
Sesame,[1,5] tanks lb.	.1430-	—

Oil, shingle stain, bbls., c.l., works. gal.	.19	- —
l.c.l., works gal.	.20	- —
tanks, works gal.	.14	- —
Snake root, Canada, cns. lb.	No stocks	
Soybean,[1,5] crude, tanks, Decatur. lb.	.1175-	—
clarif., dms. lb.	.1296-	.1336
tanks lb.	.1256-	—
deod., Winter, tankcar. lb.	.1393-	—
ret. dms. lb.	.1500-	.1540
foots, acid, 95%, tanks, dlvd. E. lb.	.07½-	—
raw, 50%, tanks, dlvd E. lb.	.05½-	—
refd., varnish, dms. lb.	.1386-	.1400
tanks lb.	.1340-	.1347
Spearmint, dms. lb.	4.00	Nom.
Sperm, bleach, 38°, dms. lb.	.1443-	—
natural, 45°, dms. lb.	.1310-	—
Spruce,[1] cns, dms. lb.	2.65	- 3.34
Sunflower, refined,[6] tanks. lb.	.1438-	—
semi-refined, tanks. lb.	.1430-	—
Sweet birch, North, cns. lb.	4.00	- 5.00
South, cns. lb.	2.50	- 3.75
Tall, crude, dms., c.l., works. ton.	53.65	-55.00
l.c.l., works ton.	58.65	-63.65
tanks, works ton.	40.00	-45.00
refined, dms., c.l., works. lb.	.05	- .05¼
l.c.l., works lb.	.05½-	—
tanks, works lb.	.04½-	—
Tallow,[5] acidless, bbls. lb.	.14¼-	—
tanks lb.	.13¾-	—
Tansy, cns. lb.	No stocks	
Tar,[1] pine, dms., c.l., dlvd. E. cities. gal.	.32⅜-	—
l.c.l., f.o.b. works gal.	.29⅜-	—
tanks, dlvd. E. cities gal.	.27	- —
rect., USP, bbls. gal.	.60½-	—
Tar acid (see T).		
Thyme, NF, red, cns. lb.	2.50	- 3.50
white, cns. lb.	2.65	- 4.00
Tung,[1] dms., c.l. lb.	.39	- .39½
l.c.l. lb.	.39½-	.40
tanks lb.	.38⅜-	—
Turkey red (see Castor, sulphorated).		
Turpentine (see T).		

Oil, vetiver, Bourbon, bots. lb.	30.00	-35.00
Whale,[6] ref., natural, dms. lb.	.1187	Nom.
winter, bleach, dms. lb.	.1232	Nom.
Wheat germ, dms. gal.	10.00	-15.50
White mineral, tech., 50-65 vis., dms., c.l. gal.	.34	- —
l.c.l. gal.	.40	- .46
65-75 vis., c.l. gal.	.34	- —
l.c.l. gal.	.40	- .45
USP, 80/90 vis., dms. extra, c.l. gal.	.37	- —
l.c.l. gal.	.43	- .46
95/105 vis., dms., c.l. gal.	.41½-	—
l.c.l. gal.	.47½-	.50½
125/135 vis., dms., c.l. gal.	.46	- —
l.c.l. gal.	.52	- .55
145/155 vis., dms., c.l. gal.	.48	- —
l.c.l. gal.	.54	- .57
175/185 vis., dms., c.l. gal.	.51½-	—
l.c.l. gal.	.57½-	.60½
200/210 vis., dms., c.l. gal.	.54	- —
l.c.l. gal.	.60	- .63
320-330 vis., c.l. gal.	.60	- —
l.c.l. gal.	.66	- .69
335/345 vis., dms., c.l. gal.	.61	- —
l.c.l. gal.	.67	- .70
San Francisco, 55, 70 and 85 vis., ret. iron dms., 65 dms. gal.	.40	- —
64-1 dms. gal.	.42	- .45
100 vis., 65 dms. gal.	.49½-	—
64-1 dms. gal.	.51½-	.54½
145 vs., 65 dms. gal.	.57	- —
64-1 dms. gal.	.59	- .62
180 vis., 65 dms. gal.	.60½-	—
64-1 dms. gal.	.62½-	.65½
340 vis., 65 dms. gal.	.72	- —
64-1 dms. gal.	.74	- .77
Wintergreen, nat., North, cns. lb.	6.50	- 8.50
South, cns. lb.	4.00	- 4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed,[1] cns. lb.	5.00	- 5.15
Ylang-ylang, Bourbon, bots. lb.	9.50	-10.00
Oleostearin,[1] bbls. lb.	.1054-	—

★ CYCLAMAL

The Accepted Basis for Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having properties most desired by perfumers.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

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FREEDOM FROM IRRITATION CYCLAMAL IS OF 100% PURITY

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Fragrance of the Pine Forest

PURE OILS DISTILLED ESPECIALLY FOR US

Exceptionally Fine Quality

Oil of Spruce **Oil of Balsam Fir American**
Oil of Cedar Leaf American Pure **Oil of Pine Needles American**

They come to you as they come from the still in the state of absolute purity. Samples will convince you of the added value to be had from these Pure Quality Oils.

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U. S. A. MANUFACTURED AND READILY AVAILABLE

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ALDEHYDE C-16 ALDEHYDE C-18

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crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin toner,[1].....lb. 1.05 - —
Molybdate,[1,5] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., works..lb. .80 - 1.05
kgs.....lb. .80 - —
Persian,[1] bbls.....lb. .80 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
smaller lots, dlvd. Ala., etc..lb. .12¾- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .10¼- .11
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs..lb. .09 - .09½
flat leaf, bgs.....lb. .09 - .09½
Orris root, African, bls.....lb. .85 - .90
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .65 - .70
Verona, bls.....lb. No stocks
Orthoamylphenol, dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .26 - .27
Orthocresol,[5,6] 30.4° C, Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0° C, Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms..lb. .15 - .16
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls..lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots.....lb. 3.75 - 4.15

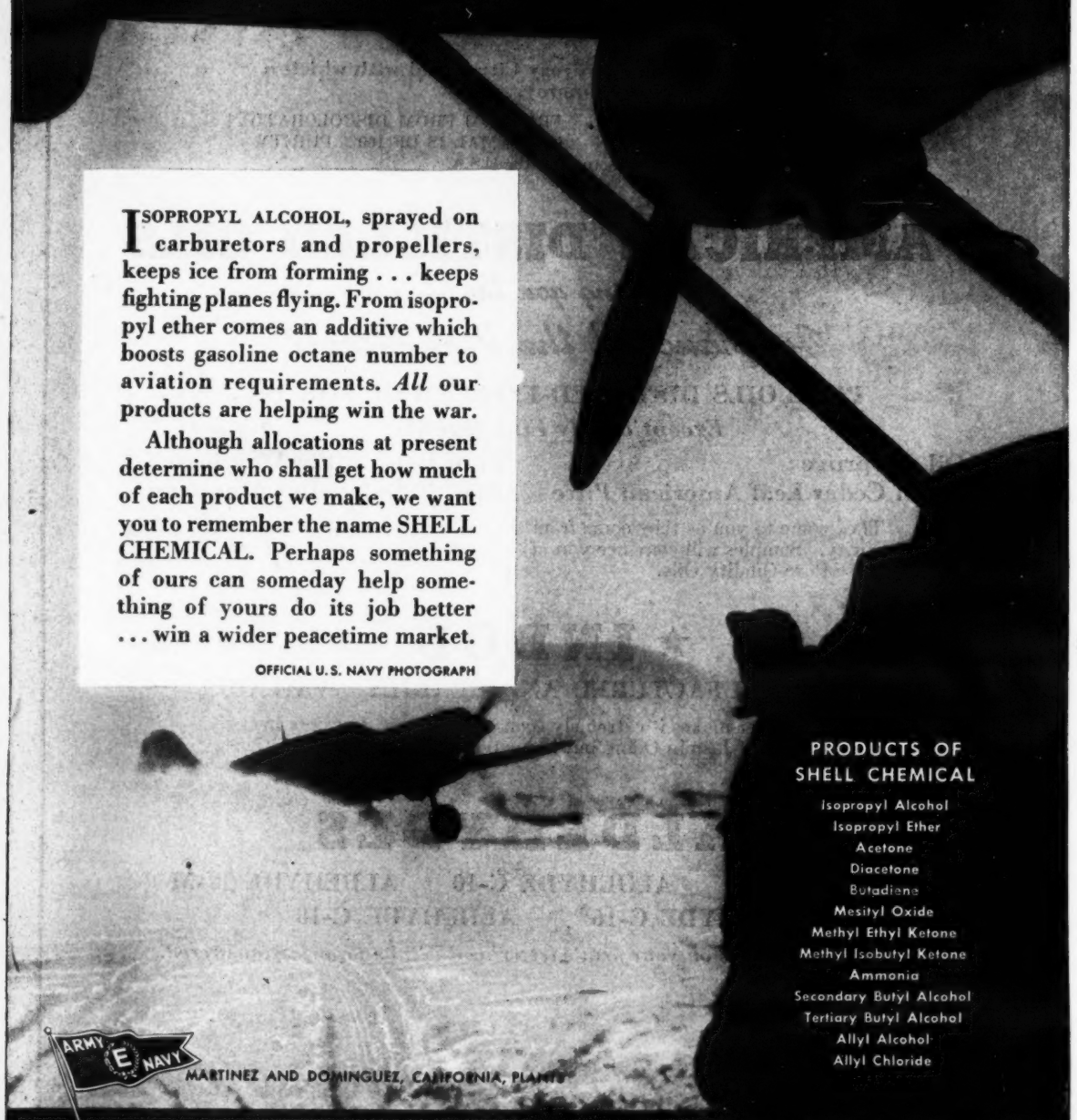
P

Papain, powd., cs.....lb. 2.40 - 2.50
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Chilean, choice, bgs..lb. .32 - .33
Portuguese, choice, bgs.....lb. .41 - .42
extra fancy, bgs.....lb. .39 - .40
good, bgs.....lb. .37 - .38
Spanish, fancy, futures, bgs., lb. .50 - .50½
fair, bgs.....lb. .42 - .43
good, bgs.....lb. .47 - .48
Para-anisidin, dms., works.....lb. .75 - —
Parachlorophenol, dms., wks...lb. .32 - —
Paracresol,[5] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works..lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .15
Paraffin, crude scale, white or yellow, 110-121 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis, lb. .0620- —
122-124 ASTM, same basis, lb. .0620- —
125-127 ASTM, same basis, lb. .0560- —
127-129 ASTM, same basis, lb. .0585- —
128-130 ASTM, same basis, lb. .0585- —
130-132 ASTM, same basis, lb. .0615- —
Paraffin, fully ref'd, slabs, loose, 132-134 ASTM, same basis, lb. .0640- —
135-137 ASTM, same basis, lb. .0715- —
140-142 ASTM, same basis, lb. .0810- —
146-148 ASTM, same basis, lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde,[5,6] dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks.lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroanilin, kgs., works..lb. .43 - .45
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .43 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .29 - .37
l.c.l., same basis.....lb. .32 - .39
Passion flower herb, bls.....lb. .16 - .20
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. .35 - —
Penicillin,[5] hospitals, institutions, ampules, per 100,000 units. 2.40 - 2.60
for gov. purchases, ampules, per 100,000 units. 1.50 - —
Pennyroyal leaves, bls.....lb. .16 - .18
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol,[5] CP, bbls., dlvd., lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l.....lb. .33 - —
Tetra-acetate, bbls., dlvd.....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C, industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½- —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l.....gal. .20 - —
10 gals.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb .10 - —
50 to 100 bgs.....lb. .1050- —
4 to 24 bgs.....lb. .1100- —
red, chillies, Carolina, longs, new crop, bgs..lb. .31 - .31½
sports, old crop, bgs....lb. .43 - .44
Congo, bgs.....lb. .25 Nom.
Louisiana, sports, bgs....lb. .43 Nom.
longs, old crop, bgs....lb. .28½- .29
Mombassa, bgs.....lb. .24¾- .25¼
Niger, fair, bgs.....lb. .23 Nom.
Sierra Leone, bgs.....lb. .23½ Nom.
Unganda, washed, bgs...lb. No stocks
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, USP, bls.....lb. .80 - .85
Import, bls.....lb. .90 Nom.
Perchlorcethylene,[5] d m s., c.l., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950

Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), ... J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.....lb. 1.15 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l..lb. .021 - —
golden Topaz, bbls., c.l....lb. .032 - —
l.c.l.....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l.....lb. .028 - —
USP, amber, dms., c.l.....lb. .03½- —
l.c.l.....lb. .04½- —
extra amber, dms., c.l.....lb. .03½- —
l.c.l.....lb. .04½- —
cream, c.l., dms.....lb. .04¾- —
l.c.l.....lb. .06¼- —
yellow, soft, dms., c.l.....lb. .03¼- —
l.c.l.....lb. .04¼- —
white, lily, dms., c.l.....lb. .05½- —
l.c.l.....lb. .07 - —
snow, c.l., dms.....lb. .06¼- —
l.c.l.....lb. .07¾- —
soft, c.l., dms.....lb. .05¾- —
l.c.l.....lb. .06¼- —
Deposit on ret. dms. $4.
Petrolatum prices dms. extra, ret.
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. .93 - 1.01
Illinois.....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas.....bbl. .86 - 1.20
Oklahoma-Kansas.....bbl. .85 - 1.25
Pennsylvania.....bbl. 1.31 - 3.00
Texas, Gulf Coast.....bbl. 1.06 - 1.86
North, North-Central.....bbl. 1.01 - 1.25
West.....bbl. .70 - 1.12
Panhandle.....bbl. 1.10 - 1.22
Savannah, Ga.....bbl. 1.60 - 1.77
Wyoming.....bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3..gal. .16 - —
l.c.l.....gal. .20 - —
10 gals.....gal. .55 - —
35-60° C., dms., c.l.....gal. .20 - —
10 gals.....gal. .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l.....gal. .20 - —
10 gals.....gal. .55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
California, heavy.....bbl. 1.10 - —
light.....bbl. 1.20 - —
diesel.....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3.....gal. .06¼- —
Group 3, No. 5.....bbl. .85 - —
No. 6.....bbl. .90 - .95
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2.....gal. .03¾- —
No. 6.....bbl. .90 - —
14-16.....bbl. .97 - —
Pennsylvania, No. 1.gal. .07 - .07¾
No. 2.....gal. .07 - .0805
No. 3.....gal. .06¾- .07¾
36-40 gravity.....gal. .07 - .07¾
bunker C, Baltimore, Md..bbl. 1.65 - 1.77
Boston, Mass.....bbl. 1.65 - 1.77
Charleston, Mass.....bbl. 1.60 - —
Jacksonville, Fla.....bbl. 1.60 - —
New York, N. Y.....bbl. 1.65 - 2.07
Norfolk, Va.....bbl. 1.65 - 1.77
Philadelphia, Pa.....bbl. 1.65 - —
Portland, Me.....bbl. 1.80 - —
Providence, R. I.....bbl. 1.65 - —
Savannah, Ga.....bbl. 1.65 - 1.77
Wilmington, N. C.....bbl. 1.65 - —

Liquid overcoats for carburetors from SHELL CHEMICAL



ISOPROPYL ALCOHOL, sprayed on carburetors and propellers, keeps ice from forming . . . keeps fighting planes flying. From isopropyl ether comes an additive which boosts gasoline octane number to aviation requirements. *All* our products are helping win the war.

Although allocations at present determine who shall get how much of each product we make, we want you to remember the name SHELL CHEMICAL. Perhaps something of ours can someday help something of yours do its job better . . . win a wider peacetime market.

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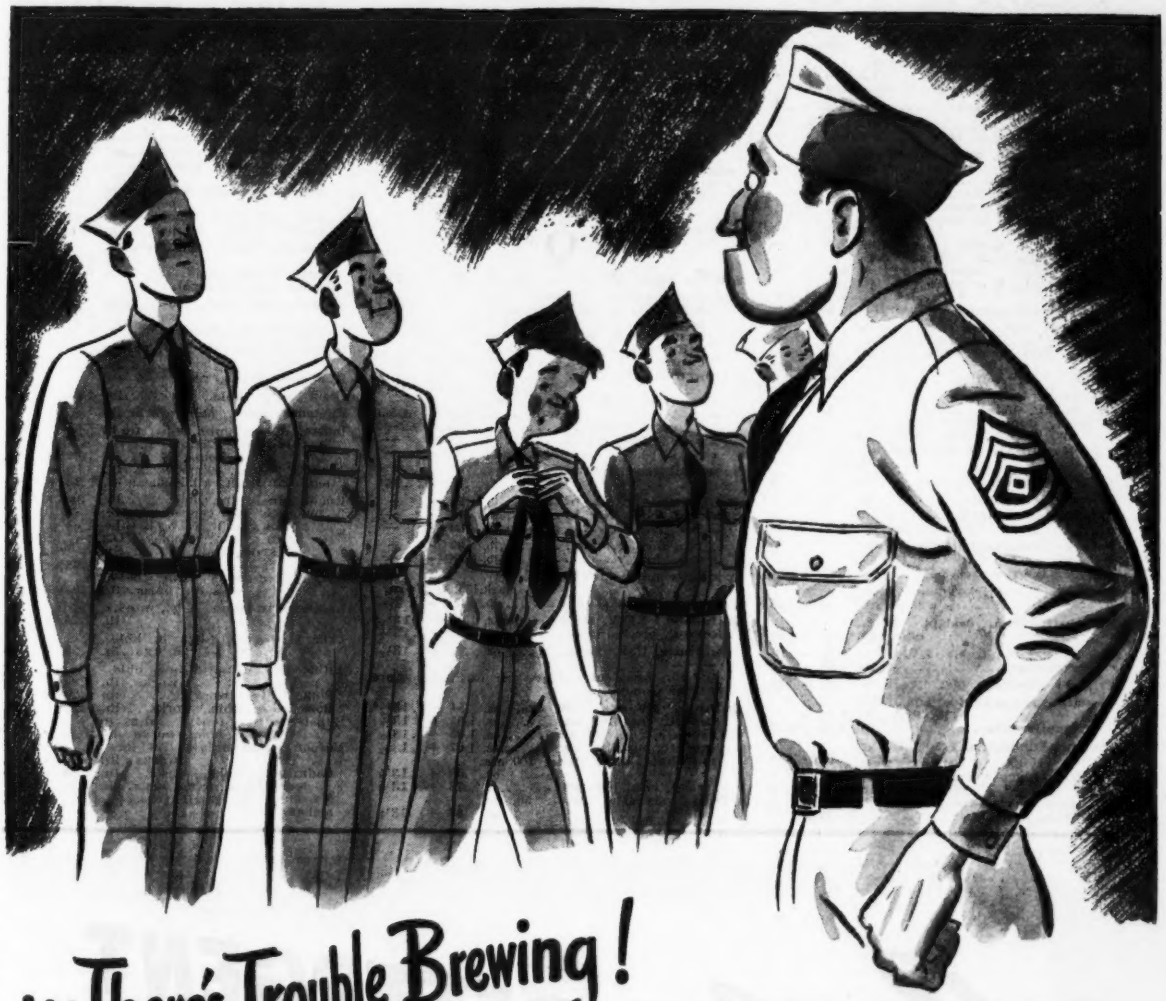
PRODUCTS OF SHELL CHEMICAL
Isopropyl Alcohol
Isopropyl Ether
Acetone
Diacetone
Butadiene
Mesityl Oxide
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Ammonia
Secondary Butyl Alcohol
Tertiary Butyl Alcohol
Allyl Alcohol
Allyl Chloride

ARMY E NAVY
MARTINEZ AND DOMINGUEZ, CALIFORNIA, PLANTS

SHELL CHEMICAL Division of SHELL UNION OIL CORPORATION
100 BUSH ST., SAN FRANCISCO 6, CALIFORNIA
R. W. GREEFF & CO. Eastern Sales Agent 10 ROCKEFELLER PLAZA, NEW YORK 20. TRIBUNE TOWER, CHICAGO 11

Petroleum, lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles. gal. .11 - —
Fort Wells, Wash. ..... gal. .12 - —
San Francisco ..... gal. .11½- —
Willbridge, Ore. ..... gal. .12 - —
East Coast, N. J., N. Y., tanks.. gal. .11½- —
Group 3, benzol type, tanks, gal. .07⅞- —
toluol type, tanks.. gal. .07⅞- .07½
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks.. gal. .10¼- —
198-200 b.r., tanks... gal. .10¼- —
246-397 b.r., tanks... gal. .10½- —
312-408 b.r., tanks... gal. .09 - —
362-458 b.r., tanks... lb. .09 - —
East Coast, N. J., N. Y., gal. .10 - —
Group 3, tanks ..... gal. .06½- —
tankwagon, Baltimore ..... gal. .12 - .14
Boston ..... gal. .12 - —
Bridgeport, Conn ..... gal. .1630- —
Buffalo ..... gal. .1240- —
Camden, N. J. ..... gal. .11 - —
Chicago ..... gal. .13½- —
Detroit ..... gal. .1580- —
Hartford ..... gal. .1630- —
Kansas City, Mo. ..... gal. .1480- —
Lancaster, Pa. ..... gal. .12 - —
Milwaukee ..... gal. .1440- —
Minneapolis ..... gal. .1420- —
Newark (200 gal.) ..... gal. .11 - —
New York (200 gal.) .... gal. .11 - —
Philadelphia ..... gal. .11 - —
Pittsburgh ..... gal. .120 - —
Providence ..... gal. .13 - —
Rochester ..... gal. .1320- —
St. Louis ..... gal. .1370- —
Syracuse ..... gal. .14 - —
Washington, D. C. ..... gal. .13 - —
Wilmington, Del. ..... gal. .13 - —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks.. gal. .12 - —
East Coast, N. J., N. Y., tanks.. gal. .11 - —
Group 3, tanks ..... gal. .07½- —
tankwagon, Newark ..... gal. .12 - —
Bridgeport ..... gal. .1730- —
Chicago ..... gal. .1380- —
Detroit ..... gal. .15 - —
Milwaukee ..... gal. .1440- —
Minneapolis ..... gal. .1420- —
New York ..... gal. .12 - —
Philadelphia ..... gal. .125 - —
St. Louis ..... gal. .1470- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J. gal. .21½- —
No. 2, over 90% arom., same basis.. gal. .21½- —
No. 3, same basis ..... gal. .23½- —
No. 8, tanks, same basis.. gal. .238 - —
No. 20, tanks, f.o.b. Kingsland, N. J., frt. alld.. gal. .238 - —
No. 40, tanks, Wilmington, Cal.. gal. .13½- —
V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.. gal. .11 - —
Richmond ..... gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash.. gal. .12 - —
54-77 190 l.p.b., 310 e.p. tanks, dlvd. Los Angeles.. gal. .10 - —
San Francisco.... gal. .10¼- —
Portland, Seattle.. gal. .11 - —
Group 3, tanks ..... lb. .07½- —
Gulf Coast (dlvd. New Orleans), tanks.. gal. .06¼- —
tankwagons, Boston ..... gal. .13 - —
Chicago ..... gal. .1380- —
Detroit ..... gal. .15 - —
Milwaukee ..... gal. .1540- —
Minneapolis ..... gal. .1520- —
Newark (200 gals.) .... gal. .125 - —
New York ..... gal. .12 - —
Philadelphia ..... gal. .125 - —
Pittsburgh ..... gal. .12½- —
St. Louis ..... gal. .1470- —
Solvent, rubber at refinery, California (f.o.b. San Francisco). gal. .25½- —
East Coast, N. J., N. Y., tanks.. gal. .11 - —
Group 3, tanks ..... gal. .07¼- .07½
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks.. gal. .11 - —
East Coast, N. J., N. Y., tanks.. gal. .10 - —
Group 3, tanks ..... gal. .06⅝- —
Pennsylvania, western, tanks.. gal. .07¼- .07½
Petroleum solvent, Stoddard, tankwagon, Baltimore... gal. .13 - —
Boston ..... gal. .12 - —
Chicago ..... gal. .13½- —
Detroit ..... gal. .1580- —
Milwaukee ..... gal. .1440- —
Minneapolis ..... gal. .1420- —
Newark ..... gal. .11 - —
New York ..... gal. .11 - —
Philadelphia ..... gal. .11 - —
Pittsburgh ..... gal. .12½- —
St. Louis ..... gal. .1370- —
Syracuse ..... gal. .14 - —
Petroleum xylol solvent. See Xylol petroleum solvent.
Phenobarbital, 5-lb. cns ..... lb. 3.60 - 3.70
dms., 100 lbs ..... lb. 3.50 - —
Phenol,[2,3] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb. .10 - —
l.c.l. same basis ..... lb. .10¾- —
tanks, same basis ..... lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis.. lb. .09¾- .10¼
l.c.l., same basis ..... lb. .10¼- .10¾
tanks, same basis ..... lb. .08¾- .09¼
USP, dms., c.l., same basis.. lb. .10¼- —
l.c.l., same basis ..... lb. .11¼- —
tanks, same basis ..... lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs.. lb. .85 - —
smaller lots ..... lb. .87 - .92
yellow, fib. dms., 2,000 lbs.. lb. .80 - —
smaller lots ..... lb. .82 - .87
Phenothiazin, NF, fib. dms., 2,000-lb. shipt.. lb. .49 - —
smaller lots, same basis.. lb. .54 - —
Phenylacetaldehyde, 50% solut., bots.. lb. 2.45 - 3.00
100% solut., bots ..... lb. 4.40 - 5.00
Phenylethyl acetate, cns ..... lb. 2.45 - 3.00
Phenylethylphenyl acetate, bots., lb. 5.50 - 7.90
Phenylhydrazin, base, CP, bots. lb. 4.95 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works... lb. 1.75 - —
Phloroglucinol, CP, fib. dms.. lb. 13.75 -14.75
tech., fib. dms ..... lb. 12.00 -12.50
Phosgene, ton lots, works ..... lb. .19 - —
Phosphate rock,[1,2] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, car at mine, c.l.... long ton. 2.20 - —
70%-68% b.p.l., M.P.R. 240 provisions, same basis.. long ton. 2.60 - —
72%-70% b.p.l., M.P.R. 240 provisions, same basis.. long ton. 3.20 - —
Phosphate rock, Fla., land pebble, ungrd., 75-74% b.p.l., MPR, 240 provisions, same basis.. long ton. 4.20 - —
77%-76% b.p.l., M.P.R. 240 provisions, same basis.. long ton. 5.20 - —
entirely pebble 50c. per ton higher than above prices.
80% P_2O_5 minimum, short ton. 2.90 - —
81%, P_2O_5 minimum, short ton. 3.10 - —
70%, basis 32%, P_2O_5 minimum.. short ton. 3.45 - —
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% l. & a., M.P.R. 240 provisions, same basis, long ton. 5.00 - —
72%-70% b.p.l., 51½% l. & a., M.P.R. 240 provisions, same basis.. long ton. 5.50 - —
refinery ground, same basis, long ton. 4.65 - —
80%, P_2O_5, same basis..... long ton. 4.65 - —
81%, P_2O_5, same basis..... short ton. 4.95 - —
82%, P_2O_5, same basis..... short ton. 5.20 - —
83% P_2O_5, same basis..... short ton. 5.70 - —
Phosphate, defluorinated (see under D).
Phosphorus,[2] red, amorphous, cs. lb. .40 - .44
tins, export ..... lb. .55 - —
yellow,[2] dms ..... lb. .25 - —
cs. ..... lb. .28 - .35
Oxychloride,[2] cyls ..... lb. .15 - .18
Pentoxide,[2] dms., c.l., wks.. lb. .11 - .12
l.c.l., works ..... lb. .13 - .14
Sesquisulphide,[2] cs ..... lb. .38 - .42
Trichloride,[2] cyls ..... lb. .15 - .16
Phthalamide, bbls., works ..... lb. .35 - .40
kgs., works ..... lb. .45 - .50
Phthalic anhydride,[2] bgs., bbls., c.l., works, frt. alld. E. of Denver.. lb. .13 - —
l.c.l., same basis ..... lb. .14 - —
Pichi leaves, bgs ..... lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots ..... oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vls.. oz. 3.90 - 5.25
Nitrate, bots., vls ..... oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs ..... lb. .23½- .24
Mexican (see Allspice, Mexican).
Pinetar, retort, non-ret. dms., c.l., dlvd. E.. gal. .35¾- —
l.c.l., works, dms. incl... gal. .32¾- —
tanks, dlvd. E ..... gal. .27 - —
Pinkroot, bls ..... lb. 1.85 - 1.90
Piperazine hexahydrate, bots.. lb. 16.00 - —
Pitch, burgundy (see B).
Coaltar,[1] 160° m.p., bbls., c.l., works.. ton. 19.00 - —
l.c.l., works ..... ton. 22.00 - —
Cottonseed, dms., works ..... lb. .04 - .06
Hardwood, paper bgs., works.. lb. .03½- —
Linseed, dms ..... lb. .05 - .06½
Petroleum (see Asphaltum, Mexican, Texas).
Soybean, dms., works ..... lb. .04 - .06
Pine, dms ..... 100 lbs. 3.25 - —
stands, 200 lbs ..... stand. 6.00 - —
Plaster of paris (see Gypsum).
Pokeroot, bbls ..... lb. .11 - .12
Polyamynaphthalene, dms., l.c.l., works.. lb. .25 - —
Pomegranate, root bark, bgs.. lb. .80 - .85
Poppy flowers, bls ..... lb. .60 - .70
Seed, Canadian, bgs ..... lb. No stocks
domestic, blue, bgs ..... lb. No stocks
Dutch, bgs ..... lb. No stocks
Indian, white, bgs ..... lb. No stocks
Turkish, futures, 100 bg. lots, lb. .30 - .31
smaller lots, bgs ..... lb. .32½- .33
cleaned, bgs ..... lb. No stocks
Potash abietate ..... lb. .06 - —
Acetate, USP, bbls., dms... lb. .28 - .30
cns ..... lb. .31 - .33
Arsenite,[2] USP, solut., cbys., djns.. lb. .13 - .16
Bicarbonate, USP, cryst., gran., bbls., dms.. lb. .19 - .21
Bichromate,[2] bbls., cks., c.l., works.. lb. .09¾- —
l.c.l., works ..... lb. .09¾- .10
Potash bichromate in bgs., ½c. less.
Bromide, USP, gran., 500-lb. bbls., dms.. lb. .25 - —
100-lb. kgs ..... lb. .26 - —
Carbonate, cal., bbls., c.l., works.. lb. .06½- —
l.c.l., same basis ..... lb. .06¾- —
hydrated, 83-85%, bbls., c.l. works.. lb. .05½- —
dms l.c.l., same basis.. lb. .05¾- —
USP, gran., bbls., dms ..... lb. .14 - .20
powd., bbls., dms ..... lb. .19 - .21
Caustic, flake, 88-92%, dms., c.l., works.. lb. .07 - —
l.c.l., works ..... lb. .07½- —
47% basis, dms ..... lb. .03½- .03½
tanks ..... lb. .02¾- —
liquid, dms., c.l., works, frt. alld.. lb. .03 - —
l.c.l., dms., same basis.. lb. .03½- —
tanks, same basis ..... lb. .02¾- —
solid, 88-92%, dms., c.l., works.. lb. .06½- —
l.c.l. ..... lb. .06½- .06¾
Chromate,[2] bgs ..... lb. .24 - .28
Chlorate,[2] cryst., kgs., c.l., works.. lb. .11 - .11¾
l.c.l., works ..... lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works ..... lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse.. lb. .16 - .18
Chloride, tech., cryst., 96%, bgs., kgs.. lb. .06 Nom.



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Yes—and there's trouble brewing in YOUR plant when shipments of the solvent you are using for a certain job vary in uniformity. You've got to have UNIFORMITY in solvents to keep production at its peak and protect the quality of *your* product.

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SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Potash citrate, USP, gran., bbls., dms..lb. .33½- .33½
powd., 3c. per lb. higher.
Cyanide,[3] dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% s o l., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Manure salt, dom.,[4] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%.
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[4] 60-62-63% K_2O, bulk, ex vessel, ports..... unit-ton. .53½- —
Seasonal contract discounts to March 31, 1945, 12%.
granular, 50-52% K_2O..... unit-ton. .53½- —
Russian,[5] future shipt., subject to safe arrival.unit-ton. .53¾- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms., lb. .28 - .31
Perchlorate,[6] kgs., works....lb. .09¾- .11
Permanganate, t e c h., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works. lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., wks., ton.290.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works..100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[4] basis 90-96% K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[4] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .23 - .25
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .65 - .70
Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol,[4] dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14¼- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi. ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1,6] concentrate, dewaxed, 20% for aerosol bombs, bbls., works....gal. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.i.f.[6]Atl. ports. long tons. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 3, 200 mesh, c.l., mines..ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., works. lb. .14 - —
translucent pastels, cs., wks. lb. .17 - —
transparent, cs., works..lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1,6] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account .....lb. .05⅝- .05⅞
clarified, 64%, bgs., c.l., same basis..lb. .06⅛- .06⅜
dissolved, 35% tan., bbls., works..lb. .04125- .0550
tanks, works.....lb. .03625- —
ground, bgs., c.l.....lb. .08 - —
l.c.l., bgs.....lb. .08¼- —
Queen of the meadow root, bgs. lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1] flasks (76 lbs. net). flask.155.00 Nom.
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. 1.06 + .13½[*]
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

[*] Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz. .84 + .13½[*]
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs.....oz. 1.07 + .13½
Bisulphate, USP, cns., 100 ozs. oz. .60 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs. oz. .86 + .13½
Quinine ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs...oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs.. oz. .90 + .13½
Salicylate, NF, cns., 100 ozs. oz. .79 + .13½
Sulphate, USP, cns., 100 ozs. oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs. oz. .63 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½
Valerate, NF IV, 100 ozs....oz. .99 + .13½

[*] Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[6] USP, cns..oz. .81 + .13½[*]
Surcharge: See note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.25 - 1.30
Red, alizarin lake,[6] bbls., divd. N. of Tenn. and N. C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher divd. Pacific Coast prices equaled with Chicago divd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .30 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).
Carmine, 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis..lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08½- .096
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithotoner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Red, mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots.....lb. 2.62 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
lake, alizarin, kgs., works, lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.60
Red precipitate,[2] NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.30 - —
Rhatany root, bgs.....lb. .16 - .17
Rhubarb, whole, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Riboflavin, bots., 100 grams.kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.45 - 1.50
Leaves, Portuguese, bls.....lb. .08¾- .09½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum[1]:—
B, dms., c.l.....100 lbs. 5.90 - —
D, dms., c.l.....100 lbs. 5.97 - —
E, dms., c.l.....100 lbs. 6.50 - —
F, dms., c.l.....100 lbs. 6.60 - —
G, dms., c.l.....100 lbs. 6.64 - —
H, dms., c.l.....100 lbs. 6.66 - —
I, dms., c.l.....100 lbs. 6.66 - —
K, dms., c.l.....100 lbs. 6.70 - —
M, dms., c.l.....100 lbs. 6.72 - —
N, dms., c.l.....100 lbs. 6.88 - —
W.G., dms., c.l.....100 lbs. 7.13 - —
W.W., dms., c.l.....100 lbs. 7.40 - —
X, dms., c.l.....100 lbs. 7.40 - —
Wood, F.F.,[1] dms., c.l..100 lbs. 4.32½- 4.35
l.c.l. .....lb. 4.62½- 4.65
Rotenone,[1,6] CP, bbls., works..lb.10.90 - —
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines..ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
Rue, bls.....lb. .70 - .75

S

Sabadilla seed, powd., bbls....lb. .32 - .35
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots, same basis..lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.20 - 1.30
Spanish, tins.....lb.42.00 -43.00
Safrol, cns.....lb. 1.10 - 1.15
Sage,[1] Calif., Dalmatian type, bls., f.o.b. Pacific Coast..lb. .80 - .81
leucophylla, bgs., Pacific Coast lb. .55 - .60
Cyprus, good, bls.....lb. .17 - .17½
fair, bls.....lb. .14½- .15
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .17¾- .18¼
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .98
powder, 10c. per lb. higher.
Salt rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.40 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., fran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .23 - .24
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Spanish, bls.....lb. .23 - .24
dom., bls., f.o.b. Calif.....lb. .82 - .88
Saw palmetto berries, bgs.....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs, 1 shipm't..lb. .34½- —
smaller lots.....lb. .34¾- —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, lbs.....lb. 1.10 - 1.15
Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. 1.40 - 1.50
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac,[6] bonedry, bbls., 1,000 lbs..lb. .42¼- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —

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Crystamet
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Pentahydrate Sodium Metasilicate Cowles CRYSTAMET is an exceptionally pure, perfectly white granular sodium metasilicate with the normal 42% water of crystallization. Excellent solubility, uniformity, chemical stability.

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Anhydrous Sodium Metasilicate. Cowles DRYMET is the most highly concentrated, most economical form of sodium metasilicate available. DRYMET contains no water. Yields nearly twice the chemical strength of hydrated sodium metasilicate at a substantial saving. Completely soluble, non-caking, easy to handle.

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Technically Anhydrous Sodium Orthosilicate. Cowles DRYORTH is a high pH detergent silicate with valuable peptizing, emulsifying, dirt-suspending power. Recommended for heavy duty detergency requiring high Na_2O value.

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THE COWLES DETERGENT CO.
7016 EUCLID AVENUE • CLEVELAND 3, OHIO

Shellac, bonedry, refined, bbls., 1,500 lbs..lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3) kgs., 3c. more.
D.C., V.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
Garnet, bgs., lots of 100....lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 326 mesh, bgs., c.l., Ill., works, ton.17.00 - —
l.c.l., same basis....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.30.00 - —
l.c.l., same basis....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis....ton.18.50 - —
140 mesh, bgs., c.l., same basis, ton.11.00 - —
l.c.l., same basis....ton.16.00 - —

Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- —
10 gals., works.....lb. .27 - —

Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32⅜- —
Nucleinate, bots., dms.....oz. .308 - .358
Proteinate, bots., dms.....oz. .288 - .328

Simarubra bark, bls.....lb. .52 - .55

Skunk cabbage root, bls.....lb. .40 - .45

Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00

Sloe berries, bgs.....lb. .40 - .41

Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼

Snakeroot, Canada, bls.....lb. .80 - .85

Soapbark, bls.....lb. .11¾- .12¼
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .16 - .17

Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
l.c.l., dlvd.....lb. .06½- .06
NF, bbls., dlvd.....lb. .09½- .10
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works, 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .18 - .15½
Arsenate,[6] dms., dealers, c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .10¾- .11¼
Arsenite,[6] gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Houston, Tex., and Palo Alto, Chl.; 2c. higher in Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1 ..100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., Zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., dlvd., Zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., dlvd., Zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98°, Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52

Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —

Soda bichromate,[6] bbls., cks., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .07½- .07¾
Soda bichromate in bgs., ½c. less.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., l.c.l., same basis.....lb. .12½- .14
Bisulphite, powd, bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —

Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., works, 100 lbs., lb. .26 - —

Cacodylate, 5-lb. bots., works, lb.17.00 - —

Carbonate (see Soda ash, soda monohydrate, soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 3.85
3, dlvd.....100 lbs. 3.95 - 3.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works.... 100 lbs. 2.00 - —

Soda caustic, solid, 76%, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash. Chloride (see Salt).

Chlorate,[6] cryst., kgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½

Chromate,[2,5] bbls., cks., c.l., works, frt. equald..lb. .06¾- —
l.c.l., works, frt. equald..lb. .06⅝- .09½
Soda chromate in bgs. is ½c. lower.

Cinchophen, bots., dms.....lb. 3.75 - 3.85

Citrate, USP VIII, bbls.....lb. .18¾- —
dms. .....lb. .19¼- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½

Cyanide,[6] 96-98%, dms.....lb. .14½- .15

Diacetate, 53-55% acidity, bbls., dlvd..lb. .09½- .10½
anhyd., dms., dlvd.....lb. .12½-

Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —

Glutamate, monobasic, kgs..lb. 1.04 - 1.06

Glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms. .....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, obys., cns...lb. .82 - .90

Hydrosulphite, dms., frt. alld., lb. .17 - .18

Soda hydroxide, USP, sticks, dms., lb. .24 - .26
Hypophosphite, NF, cns.....lb. .67 - .79
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda, hyposulphite, crystals in bbls., 20c. higher; pea crystals, dms., 50c. higher.

Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —

Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55

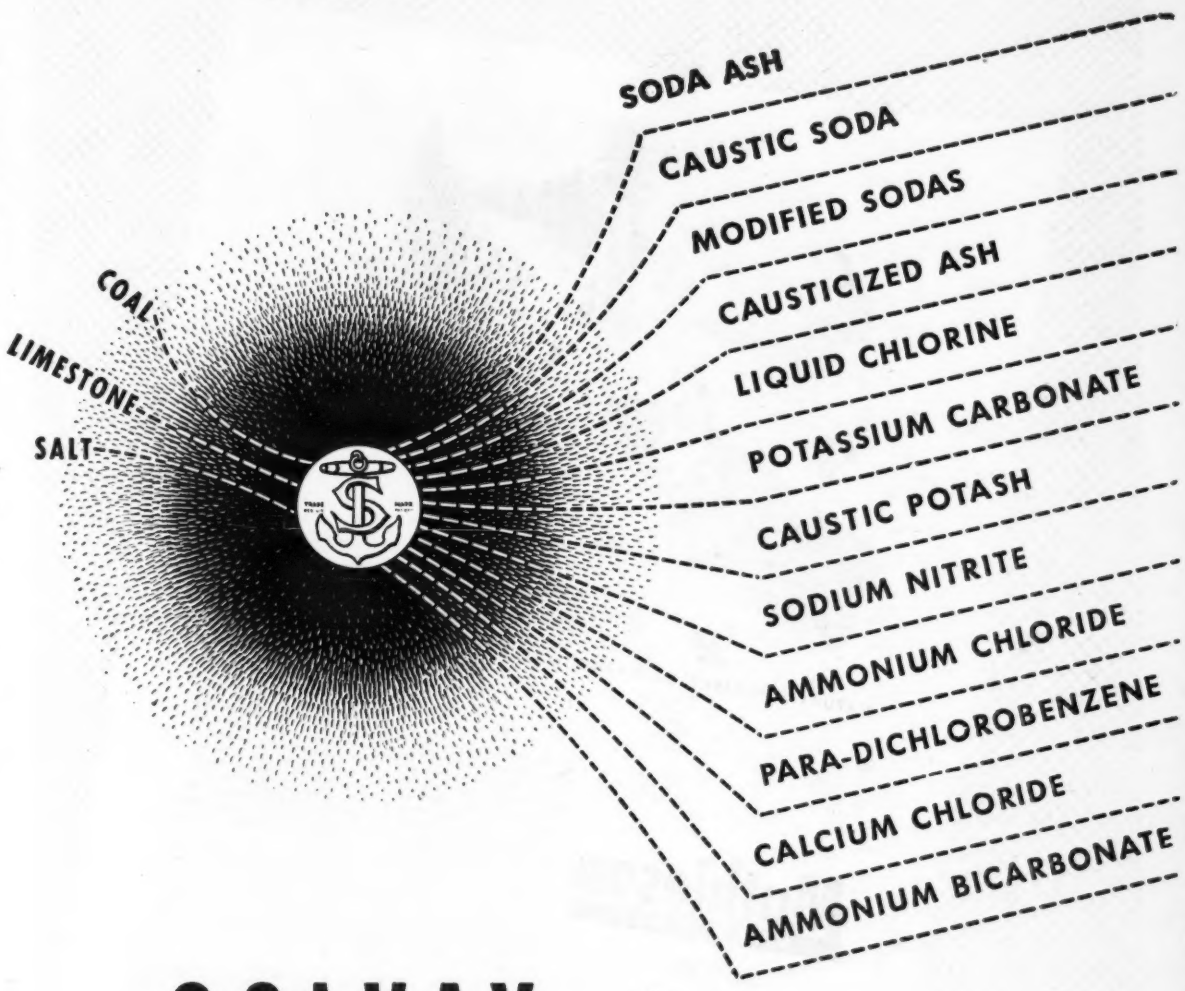
Molybdate,[6] anhyd., kgs., works, lb. .47 - —

Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60

Monohydrated, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —

Naphthionate, bbls.....lb. .50 - —

Nitrate,[6] crude, dom., 100-lb. bgs., cl., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons... 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, bbls., c.l., wks., frt. equald..lb. .06¾- —
West Coast ports.100 lbs. 8.00 - 8.65
l.c.l., dlvd.....100 lbs. 9.90 -11.90



SOLVAY

Alkalies and Chemical Products

Manufactured by The Solvay Process Company

for America's Leading Industries ★

SOLVAY SALES CORPORATION • 40 RECTOR STREET, NEW YORK 6, N. Y.

a orthosilicate, anhyd., dms.,
c.l., works, frt. equald..... 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., divd.....100 lbs. 4.30 - 4.65
Oxalate, neut., bgs., wks....lb. .10 - —
Pantothenate, dest., 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
lb. .16 - .16½
l.c.l. works, frt. equald..lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
Perborate,[6] NF, bbls., c.l., works..lb. .14⅝- —
l.c.l., works.....lb. .15½- —
Peroxide,[6] dms., c.l., divd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works..... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP XII, gran., bbls., dms., works..lb. .10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst.,[6] bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —

Soda phosphate, tribasic, cryst., kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic). Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs.....lb. .10⅝- —
bbls.....lb. .11 - —
Pyrophosphate,[6] tetra-basic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works.....100 lbs. 1.10 - —
bbls.....100 lbs. 1.40 - —
works.....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, divd....100 lbs. 2.70 - —
2, divd.....100 lbs. 2.95 - —
3, divd.....100 lbs. 3.10 - —
4, divd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., divd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton. 12.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton. 25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., same basis.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24

Soda sulphate, NF, dried, powd., bbls.....lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works.. 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphadiazin, USP, dms.....lb. 10.50 - —
Sulphamerazin, dms.....lb. 10.50 - —
Sulphathiazole, USP, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., divd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., divd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works.....100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.65 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.60

Soda-formaldehyde sulphoxalate, stand cont. (125-250 lbs.)..lb. .19 - .22
Solvent naphtha,[6] dms., wks. gal. tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash, dms., works....gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton. 45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works..lb. .20 - —
20,000-40,000 lbs., works.lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sorbitol,[6] com'l, dms., c.l., works, lb. .14⅜- —
l.c.l., works.....lb. .15½- —
Sparteine sulphate, bots., cns..oz. 1.80 - 1.90
Spearmint leaves, bls.....lb. .43 - .49
Spikenard root, bls.....lb. .33 - .34
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super. bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .16 - .17
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .063[7]- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. .09 - .09¼
Wheat, thick boll, bgs.....lb. .08 - —
Starch iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.25 - 1.50
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .52 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .32 - .35
Chloride, tech., bbls.....lb. .23 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.00 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.80 - 1.85
Nitrate, bbls., c.l., works....lb. .07⅝- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.12
Sulphate, nat., 92% min., air-floated, 300 mesh, bbls., c.l., works..ton. 52.00 - —
l.c.l., works.....ton. 54.00 - —
Strontium-calcium sulphide, phosphorescent, dms.. works..lb. 2.50 - 2.65
Strophanthin, bots.....oz. 30.00 - 36.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Styrchnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .86 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .85 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .66 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, NF, 100 ozs.....oz. .82 - —
Phosphate, NF, 100 ozs.....oz. .89 - —
Sulphate, cryst., cns., 100 ozs., oz. .53 - —
powd., cns., 100 ozs.....oz. .45 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, 100-lb. dms., lb. 9.00 - —
Sulphamerazin, dms.....lb. 9.00 - —
Sulphaguanidin, 100-ob. dms...lb. 5.50 - —
Sulphanilamid, bots.....lb. 1.35 - —
fib. dms.....lb. .90 - 1.10
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.50
Sulphathiazole, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts..long ton. 16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton. 17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 25c. higher.
USP, bgs., c.l., works.100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l. works.....lb. .04 - .04½
10-gal dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., works, lb. .18 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points, Balto..unit-ton. .85 - —
Florids .....unit-ton. .51 - .54
others .....unit-ton. .57 - .54
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton.
Superphospate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 19%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple 40% and more a.p.a., bulk, producing points, Florida..unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Sweet basil, bls., f.o.b. Calif..lb. .90 - .95

NATURE'S PERFECT DRINKING WATER . . . RIGHT IN YOUR HOME
SOON MILLIONS of people will enjoy a brand-new sensation in their every-day tap water. From their faucets will flow drinking water . . . cooking water . . . free from objectionable tastes and odors . . . as taste-satisfying as water from nature's finest spring. A sterling improvement—made possible for the first time by the new Chlorine Dioxide water-treatment technique developed by Mathieson.
For many years America has enjoyed the safest water in the world, thanks to the combined efforts of health authorities, water works officials and manufacturers of treating chemicals and equipment. Yet certain objectionable tastes and odors have persistently defied elimination by all known purification methods. But now Mathieson's new, exclusive technique—requiring no expensive equipment—produces amazing results with Chlorine Dioxide formed by the chemical reaction of chlorine and Mathieson Sodium Chlorite.
Mathieson, leading producer of chemicals for water purification for nearly 50 years, invites water officials troubled with taste and odor problems to investigate the new Chlorine Dioxide technique for possible post-war use.
Mathieson
CHEMICALS
THE MATHIESON ALKALI WORKS (INC.) 60 EAST 42nd STREET, NEW YORK 17, N. Y.

To Our Friends in Industry

REPRODUCED above is the black and white version of the Mathieson advertisement in the January 1945 issue of FORTUNE magazine. It tells of a notable achievement by Mathieson's technical staff—the development of an amazing new technique for removing objectionable tastes and odors from public water supplies by the use of Chlorine Dioxide produced from Mathieson's Sodium Chlorite.

The remarkable fact that this new reagent—Chlorine Dioxide—*has 2½ times the oxidizing power of chlorine,* plus the simplicity with which it may be generated in your own plant, may suggest its application in your business. That its usefulness will be widespread—will embrace many industries—has already been proven.

Mathieson's technical staff—the same group responsible for Chlorine Dioxide and other important new developments—will welcome the opportunity to assist in adapting Chlorine Dioxide to your use.

THE MATHIESON ALKALI WORKS (INC.) 60 EAST 42nd STREET, NEW YORK 17, N. Y.

T

Talc, dom., aluminum-flake type, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works .....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.17.50 -48.00
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 92-94% bgs., c.l., works, ton.13.00 -16.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.25-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp. Canada, bgs., c.l....ton.24.00 -30.00
Tallow,[1,6] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose .....lb. .06½- —
sulphonated, 35% (24% fat). dms., c.l..lb. .06¾- —
50% (43% fat), dms., c.l....lb. .06¾- —
50% (43% fat), dms., c.l....lb. .07¾- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls. .....lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.50 - —
Chicago .....unit-ton. 5.50 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 16% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brasil, bgs..lb. .06½- .07¼
Java, bgs. .....lb. No stocks.
Tar acid oil,[2,6] 15-16%, dms., c.l., works..gal. .26½- .27½
l.c.l., works .....gal. .28½- .29½
25%, dms., c.l., works....gal. .30 - —
l.c.l., works .....gal. .32 - —
Tar, pine (see Pinetar).
Tara, powd., divd. N. Y.....ton.120.00 - —
Tarragon herb, bgs.....lb. 1.40 - 1.50
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs., lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l., lb. .75 - .80
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South .....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms. .....lb. .35 - .50
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works .....lb. .20 - —
tanks, works .....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrallin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 - —
Theobromine,[1,6] makers, primary distrib., dms., 25-lb. lots.lb. 2.80 - —
smaller lots .....lb. 2.90 - 3.00
Thiamine hydrochloride, bots., dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme,[1] California, French type, lbs., f.a.b. Pacific Coast..lb. .90 Nom.
Spanish, bls. .....lb. .13 - .16½
Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms. .....lb. 3.40 - 3.60
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks.
Crystals,[6] bbls., bgs.....lb. No stocks.
Metal,[1,6] Straits .....lb. .52 - —
Oxide,[6] bbls. .....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,6] chalk resistant, bgs., c.l., divd..lb. .15 - —
l.c.l., 5 tons one deliv., divd..lb. .15¼- —
smaller lots, divd.....lb. .15½- .15¾
nonchalking,[1,6] bgs., c.l., divd. E..lb. .15½- —
l.c.l., 5 tons one deliv., divd..lb. .15¾- —
smaller lots, divd..lb. .17 - .17¼
plain,[6] bgs., c.l., divd.....lb. .14½- —
l.c.l., 5 tons one delivery, divd..lb. .14¾- —
smaller lots, divd....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,6] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd. .....lb. .06 - —
calcium base,[1,6] bgs., c.l., divd..lb. .05½- —
l.c.l., divd. .....lb. .05¾- —
calcium-rutile base,[1,6] bgs., c.l., divd..lb. .05½- —
l.c.l., divd. .....lb. .05¾- —
magnesium base,[1,6] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd. .....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. cst. ¼c. higher, c.l., divd., l.c.l., ex whse.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works..lb. .65 - 1.22
technical, 55-gal. dms., works, lb. .32 - —
smaller pkgs., works...lb. .40 - 1.00
Tolu balsam, cns.....lb. .78 - .82
Tolidine base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol[2] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West Minnequa, Colo.gal. .28 - —
Toluol, 1° nitration, ret., dms., works..gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West Minnequa, Colo.gal. .29½- —
Tonga,50% bark and vine, bbls.lb.. .90 - .91
Tonka beans, Angostura, cks..lb. 2.00 - 2.50
Brazilian, Surinam, cs....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs. oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., divd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., same basis.....lb. .06¼- —
tanks .....lb. .07¼- —

Trichloroethane, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Trichloroethylene,[2] d m s., c.l., works, Zone 1, frt. alld...lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., divd.....lb. .37½- —
l.c.l., divd.....lb. .40½- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., divd.....lb. .25 - .31
l.c.l., divd.....lb. .25½- .31½
tanks, divd.....lb. .24 - .30
Triethanolamine,[6] d m s., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., divd. lb. .85 - —
l.c.l., divd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate,[2] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —

Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[1,6] (see Derris root).
Tungsten metal, powd.,[2] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs...lb. .12 - .12½
Haitian, f.o.b. New Orleans, bls..lb. .09½- .10
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .87 - .87½
sulphate-wood, dms., c.l....gal. .65½- .76
tanks .....gal. .57½- .62½
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .75

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts,..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports. ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.50.00 - —
fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton.112.80 - —
usual Atla. and Gulf ports, NH_3..ton.116.80 - —

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, NF, bls.....lb. .55 - .60
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins.lb. 7.75 - 8.50
Mexican, cuts, tins.....lb.10.00 - —
whole, tins.....lb.11.00 - —
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin tins, 25 lbs. or more..lb. 2.35 - —
lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate,[6] cbys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works...lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).

BICHROMATE OF SODA Natural — NATURAL PRODUCTS REFINING CO. JERSEY CITY, NEW JERSEY. SOLE MFRS. SINCE 1908

BICHROMATE OF POTASH Natural — NATURAL PRODUCTS REFINING CO. JERSEY CITY, NEW JERSEY. SOLE MFRS. SINCE 1908

Some Significant Facts

TO DATE we have shipped larger tonnages of Natural BICHROMATES than during the corresponding period of 1943. *Naturally,* the quality easily passed rigid inspections of various War agencies.

When the calm of peace arrives please bear in mind that NATURAL furnishes "the finest"—"fastest". Throughout the War we have remained manufacturers of the same products as in peace time. We have no retooling or reconversion problem. We are desirous of renewing relations with our pre-war customers, and invite new inquiries.

NATURAL PRODUCTS REFINING COMPANY

904 GARFIELD AVE. JERSEY CITY 5, N. J.

Vitamin B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, cod liver, halibut-liver, viosterol)
E (see Alpha tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.	lb.	.55 -	.60
Wattlebark,[1] E. Afr., bgs., f.a.s. based on freight, $11.70, insurance $1 per ton. Difference for buyers' account...	ton.	53.00 -	—
Wattlebark, So. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Differernce for buyers' account.	ton.	63.00 -	—
extract,[1] liquid, 35% tannin, bbls., works	lb.	.06½-	.06¼
tanks	lb.	.04½-	.05¼
solid, So. Afr., 62% tannin, ex dock	lb.	.0572-	.0597
E. Afr., 61% tannin, ex dock.	lb.	.05595-	.05845
Wax, Bayberry, bgs.	lb.	No stocks	
Bees,[1] bleached, USP, white, bricks, bgs., ton	lb.	.58 -	—
discs or cakes, bgs., ton,	lb.	.60 -	—
ctns., ton	lb.	.61 -	.63
slabs, bgs., ton	lb.	.57 -	—
yellow, crude, African, bgs., ton	lb.	.40 -	—
up to 1 ton	lb.	.41 -	—
100-200 lbs.	lb.	.43 -	—
Wax, bees, yellow, crude, Cent. or So. Amer., sunbleachable, bgs., ton	lb.	.44¾	Nom.
unbleachable, bgs., ton,	lb.	.41½	Nom.
ref'd, USP, bricks, bgs., ton,	lb.	.53½-	—
dics., bgs., tons	lb.	.55½-	—
ctns., ton	lb.	.56½-	.58½
rounds or squares, bgs., ton	lb.	.57½	—
ctns., ton	lb.	.58½-	.60½
slabs, bgs., ton	lb.	.52½-	—
Candelilla,[1] crude, bgs., ton	lb.	.34½-	.35
smaller lots	lb.	.35½-	.44½
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.			
refined, bgs., ton	lb.	.44 -	—
smaller lots	lb.	.45 -	.54
Carnauba,[1] chalky, No. 3, bgs., ton lots	lb.	.71¼-	—
smaller lots	lb.	.72½-	.81½
North Country No. 2, bgs., ton lots		.75½-	—
smaller lots	lb.	.76¾-	.85¾
No. 3, bgs., tons	lb.	.73½-	—
smaller lots	lb.	.74½-	.83½
refined, bgs., ton	lb.	.76¾-	.86
smaller lots	lb.	.77¾-	.90
yellow, No. 1, bgs., ton	lb.	.83¼-	—
smaller lots	lb.	.84¼-	.93¼
No. 2, bgs., ton	lb.	.81¼-	—
smaller lots	lb.	.82¼-	.91¼
No. 3, bgs., ton	lb.	.79 -	—
smaller lots	lb.	.80 -	.89
carnauba wax, powdered (same differentials as candelilla).			
Ceresin, dom., 138°-140° m.p., bgs., ton	lb.	.13½-	.14
jobbing lots	lb.	.14½-	.15
150°-160° m.p., bgs., 1 ton,	lb.	.15½-	.16
jobbing lots	lb.	.16½-	.17
Wax, ceresin, dom., 160°-170° m.p., bgs., 1 ton	lb.	.16½-	.17
jobbing lots	lb.	.17½-	.18
Japan, cs.	lb.	No stocks	
Micro-crystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works	lb.	.14¼-	—
smaller lots	lb.	.14½-	.15¼
black, ctns., 30 tons, same basis	lb.	.12¾-	—
smaller lots	lb.	.13 -	.13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis	lb.	.16¼-	—
smaller lots	lb.	.16½-	.17½
black, ctns., 30 tons, same basis	lb.	.14¾-	—
smaller lots	lb.	.15 -	.15¾
white, ctns., 30 tons, same basis	lb.	.28¾-	—
Montan, bgs.	lb.	No stocks	
Ouricury,[1] bgs., ton	lb.	.49½-	.51¾
smaller lots	lb.	.50½-	.61¾
refined, bgs., ton	lb.	.62 -	—
smaller lots	lb.	.63 -	.72
powdered ouricury prices same as candelilla.			
paraffin (see under P).			
Spermaceti, blocks, cs.	lb.	.26 -	.27
cakes, cs.	lb.	.27 -	.28
White lead (see Lead, white).			
White pine bark, rossed, bls.	lb.	.15 -	.16
White precipitate,[2] powd., dms., 50 lbs. or more	lb.	2.54 -	—
Whiting, chalk, dry-grd., bgs., c.l.	ton.	18.00	-22.00
l.c.l.	ton.	20.00	-24.00
wet-ground, bgs., c.l.	ton.	21.00	-25.00
l.c.l.	ton.	25.00	-29.00
gilders, bolted, bgs., c.l.	ton.	20.00	-24.00
l.c.l.	ton.	21.00	-25.00
extra-bolted, bgs., c.l.	ton.	22.00	-26.00
l.c.l.	ton.	23.00	-27.00
Whiting, Paris white, bgs., c.l.,	ton.	24.00	-28.00
l.c.l.	ton.	25.00	-29.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works.	ton.	6.00 -	—
smaller lots, N.E., wks.	ton.	7.00 -	9.00
wet-grd., air-floated, 300 mesh, 99¾%, bgs., c.l.	ton.	9.35	-10.10
200 mesh, bgs., c.l.	ton.	8.60	- 9.50
90%, bgs., c.l.	ton.	6.25 -	7.00
water-floated, extra gilders, bgs., c.l.	ton.	13.00 -	—
gilders, bgs., c.l.	ton.	12.45 -	—
putty grade, bgs., c.l.	ton.	12.00 -	—
Precipitated, bgs., c.l.	ton.	14.00	-15.00
l.c.l.	ton.	18.00	-20.00
Wild cherry bark, thick, bls.	lb.	.06 -	.07
tin, natural, bgs.	lb.	.17 -	.18
rossed, green, bls.	lb.	.26 -	.28
Wild indigo root, bls.	lb.	.17 -	.18
Witch-hazel extract, dist., NF, bbls., gal.	gal.	.70 -	.75
Leaves, bls.	lb.	.14 -	.15
Witherite (see Barium carbonate, natural).			
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton.	20.00 -	—
60 mesh, same basis	ton.	24.00 -	—
80 mesh, same basis	ton.	27.00 -	—
100 mesh, same basis	ton.	30.00	-32.00
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20 -	.23
Levant	lb.	4.50 -	4.75
Wormwood, bls.	lb.	.30 -	.50

X

Xanthorrhiza, bls.	lb.	.24 -	.25
Xylene (see Xylol).			
Xylol,[2] (xylene), indus., ret., dms., works	gal.	.32 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.27 -	—
West, Minnequa, Col.	gal.	.27 -	—
10°, ret., dms., works	gal.	.35 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.30 -	—
5°, ret., dms. works	gal.	.42 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.37 -	—
3°, ret., dms., works	gal.	.47 -	—
-tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.42 -	—
Xylol petroleum solvent, ret. dms., No. N. J.	gal.	.26 -	—
Xylidin, mixed, dms.	lb.	.85 -	.86

Y

Yara yara, cryst., bots., cns.	lb.	1.75 -	2.20
Yeast, brewer's, dry, 50 B units, dms.	lb.	.35 -	—
90 B units, dms.	lb.	.45 -	—
200 B units, dms.	lb.	.50 -	—
300 B units, dms.	lb.	.60 -	—
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.22 -	—

Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.

Benzidin, bbls., dlvd.	lb.	1.35 -	2.25
Cadmium, CP, import, bxs.	lb.	1.35 -	1.40
Chrome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16 -	—

Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.	lb.	.08 -	.11
Hansa, bbls., same basis as chrome	lb.	1.37 -	—
primrose, bbls., same basis	lb.	1.75 -	—
Lithopone, bbls., ton lots, E. of Rockies	lb.	.55 -	—
smaller lots, same basis	lb.	.65 -	—
sulphide, orange, cs., kgs., works	lb.	1.10	Nom.
Mercury oxide, bbls., 1,000 lbs., smaller lots	lb.	2.45 -	—
Ocher, American, golden, bbls., worth	lb.	.04½-	.06¾
yellow, bbls., works	lb.	.02 -	.02¼
French type, bbls., c.l.	lb.	.0345-	—
l.c.l.	lb.	.0365-	—
Oxide, iron, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa.	lb.	.04½-	—
l.c.l., same basis	lb.	.05 -	—
synth, bbls., c.l., works	lb.	.0685-	—
l.c.l., works	lb.	.071 -	—
Persian orange (see O).			
Zinc,[6] bbls., same basis as chrome	lb.	.15 -	—
Navy spec. type, bbls., contracts	lb.	.15 -	—
Yellow dock root, bls.	lb.	.35 -	.36
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.21 -	.25
Yohimbine hydrochloride, vis.	oz.	3.00 -	5.75

Z

Zein, bgs., 1,000 lbs., works	lb.	.25 -	—
smaller lots, works	lb.	.30 -	—
Zinc acetate, tech., bbls., dlvd.	lb.	.16 -	.17
USP, bbls., 250 lbs.	lb.	.26 -	.27
kgs., 100 lbs.	lb.	.29 -	—
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾-	.13½
l.c.l., same basis	lb.	.12¼-	.13¾
Borate, bgs., c.l.	lb.	.12 -	—
Carbonate, tech., rubber makers' grade, bbls., works	lb.	.09¾-	.10¾
USP, precip., powd., bbls.	lb.	.35 -	—
dms.	lb.	.40 -	—
kgs.	lb.	.37 -	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 -	—
l.c.l., works	100 lbs.	5.35 -	—
gran., dms., c.l., works	100 lbs.	5.75 -	—
l.c.l., works	100 lbs.	6.50 -	—
USP, dms.	lb.	.30 -	.31
jars	lb.	.35 -	.36
solution, 50%, dms., c.l., works	lb.	.0315-	—
l.c.l., works	lb.	.04¼-	.04½
tanks, works	lb.	.0250-	—
Chromate (see Yellow, Zinc).			
Cyanide, kgs., works	lb.	.33 -	.37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035-	—
l.c.l., works	lb.	.1135-	—
Fluoride, bbls.	lb.	.25 -	.30
Hydrosulphite, dms., works	lb.	.16 -	—
Iodide, NF, bots.	lb.	4.68 -	4.75
jars	lb.	4.40 -	—
Laurate, bbls.	lb.	.32 -	.33

—Continued on page 34

Consider

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3. Mild reducing action over a broad pH range.
4. Bleaching effects.
5. Reactivity with organic compounds, such as lignin, resins, amines and diastase.
6. Reactivity with sulfur, oxygen and chlorine to form many useful compounds.

Properties	
Appearance	Slightly tan-colored, crystalline powder.
Odor	Faint.
pH	10% solution has a pH of 10.
Bulking Value	About 45 pounds per cu. ft.
Stability	Relatively non-hygroscopic and stores well.
Solubility in Water	Saturated solution at 80° F. contains approximately 25% by weight of Santosite.

Assay	
Sodium Sulfite	93% minimum.
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For the Nation's Needs

The President has got behind the necessity of making better use for war of the manpower of the nation. He has made a somewhat qualified recommendation of a national service law, and more emphatically has called upon Congress to readjust its ideas of the proper allocation of 4-F's and other exempted or excused groups. The Congress has taken hold of the matter and is making a loud noise of approval—to an extent. The safer expectations are that it will edge out of the question of national service along some of the lines with which the President qualified his request, and will go as far and wide from antagonizing "as-usual" groups as it feels will not enrage general public sentiment.

Meanwhile, the manpower and selective service agencies have entered upon such rescreening of draftees as they can, without too much difficulty, justify under the existing laws. Again they are being helped by the War Production Board with supplemental restraints on nonessential operations. There has been a goodly measure of voluntary response to the declaration of necessity; but there is no assurance that this is other than another enthusiasm of the moment, likely to give way at any time to the effects of diametrically opposite optimism. Taking the nationwide, long-range view, it may justifiably be desired that these temporary measures fall short of adequacy. Otherwise, the persistent complacency in certain quarters will not be broken down; a resurgence of detrimental optimism will be inevitable—and Congress will have again been helped to dodge its plain duty to the nation, and encouraged to continue its castigation of scapegoats for conditions to which its lack of courage has been a major contributor.

Pressure groups are already telling Congress what would be contrary to everything, from the decalog to the freedom of speech, in any legislative move to make their constituents get into the war. Feather-bedded labor and debattled farmer groups are foremost in this—as usual—and there is more than a little similar volunteering on the part of business management in the providing of Congress with the "proper" (?) definition of "essential activities."

There is reason to fear that the outcome will be a continuation, with slight revision, of the inequitable, discriminative selecting of services set up by the existing law. There may be specific draftings of a few classes, which would be violative of all guaranties of equal rights. There can be no sound excusing of a draft for nurses, or for welders, for pharmacists, or for motorists—all of whom have a particular usefulness in war's needs. The only honest and democratic thing to do is to draft everybody, male and female, between the ages of eighteen, or less, and eighty, and allocate them to the needs of the nation on the basis of ability by a really semantic determination of essentiality and a practicable means of avoiding unconstitutionally enforced employment—and tribute to labor-unions. Those things can be done—perhaps not by present-day legislators—and their doing would shorten much the bothersomeness of war.

—O-P-D—

Labor Discriminations

Since it was first declared statutorily in section 6 of the Clayton act something more than thirty years ago "That the labor of a human being is not a commodity or article of commerce," those who deal in this—whatever it is—have progressively entered with impunity upon the economic areas proscribed by the antitrust laws. In these invasions they have had more than a little encouragement, support, and assistance from the legislative, executive, and judicial branches of the Federal government. These have reached a really alarming degree of discrimination in today's welter of labor laws against those (employers) who must deal with those (labor unionists) who deal in the labor of human beings. It is little wonder, then, but somewhat naive, that there is being prepared an amendment to one chapter of these laws which is intended to set up uniform enforcement of the statutes with respect to employers and unionists.

There is an encouraging bit of support for this long-overdue undertaking in the dictum of one of the justices of the Supreme Court of the United States who was of the majority in the recent exempting of a labor unionist from the Texas registration law. This justice said:—

> I must admit that in overriding the findings of the Texas court we are applying . . . a rule, the benefit of which in all its breadth and vigor this court denies to employers in National Labor Relations Board cases.

The supreme court's majority held that the Texas law requiring solicitors of labor union membership to register with the State was in violation of the guaranties of free speech. It is difficult for one who is not a sophist to see why it is legal to exact registration and a license fee out of an itinerant vendor who strives to talk people into buying a can-opener, but illegal to require even registration of a "spieler" whose job is to get buyers of membership in a labor union. One is no more the labor of a human being, than is the other.

In the phrase, "equal rights for all," "equal" is a very elastic word. In the construction and application of laws which bear upon the activities of labor groups, and in those activities, it is stretched out of its basic meaning. The supreme court justice's admission of this should help toward its remedying.

—O-P-D—

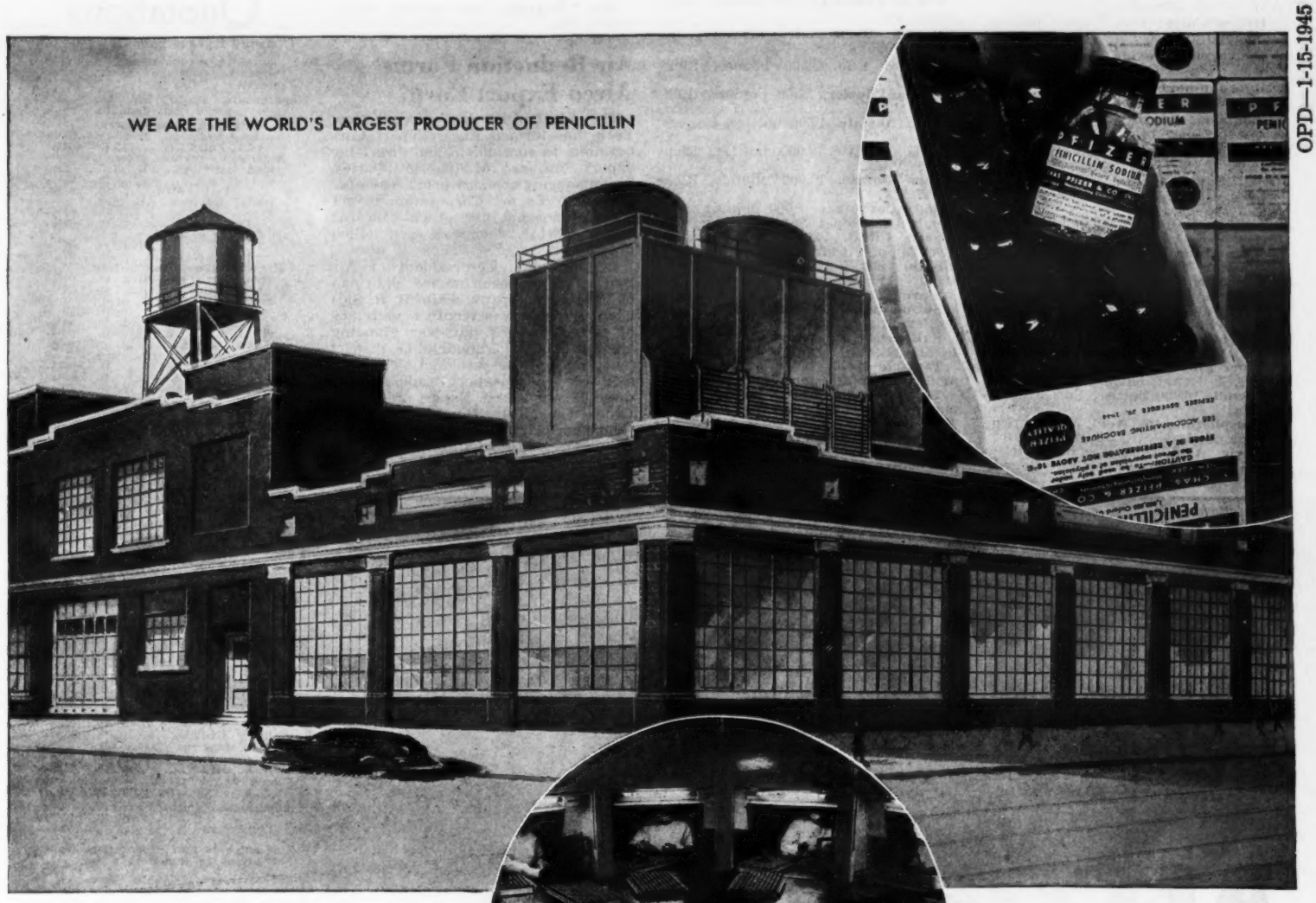
Ration, Inflation, Public Relation

If business would only maintain a homogeneous structure, hold to a uniformity of attitude toward matters of public import, acquire more than a superficial knowledge of the nature and development of economic problems—stop attributing them to violations of "natural and divine laws"—its standing in the national community would be more nearly what it would like to have. If it now would but realize and respect in practice that scarcities do not engender inflation without the application of the jungle law of supply and demand, its reason to expect a controlled system of enterprise would be thinned to nothing. If it would of its own volition drop all activities not measuring up to a simple, realistic, commonsense criterion of essentialness, it would be spared a lot of grief at the hands of hard-headed war-winners.

Scarcities must be met by rationing. Their determination must be honest—and that demands honesty in the furnishing of relevant information. The rationing also must be honest—and that requires simple honesty of cooperation. Predatory application of the law of supply and demand must be checked by price-control, as well as rationing. These checks can be voluntarily applied. None can say that such application is the rule. Some of the much-vaunted voluntary rationing has contributed as much as anything else to the inflation which already exists—and in some lines (clothing, for example) that is more than a little.

So, there is nothing good for public relations in the reported declaration of the New York coat and suit industry that it expects to deliver 75 percent to 100 percent of the orders wanted by Easter. In seeing no reason why its supplies of materials should be reduced or its manpower put in part to more essential use, the group evidences, at least, failure to recognize that it is playing into the hands of those who aver that business is motivated in all its functioning by selfishness, and nothing else. It calls rationing "fanciful," and it does nothing to avoid inflation.

The response of business to readily recognize trends in general economy also is so lacking in uniformity that the public is wholly at a loss to evaluate its motives. The result, of course, is that whatever business does, even though no two groups do the same thing, is declared to be wrong in purpose and disastrous in result for the general welfare. There was an example of this last week, when one manufacturer went in one direction in a purpose of co-operating with the government in the conservation of critical materials and a competitor took an exactly opposite step. It is conceivable that both recognize the influence of rationing on inflation; but they differ in their ideas of how rationing should be applied for greatest effectiveness. One will curtail sales efforts; the other will not, so must curtail sales. Neither, perhaps, will contribute to inflation; but, the judgment of the public will be awaited with interest, and should be interpreted with intelligent care.



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FIGHT INFANTILE PARALYSIS

Treasury Dep't Surplus

—Continued from page 4

Harness Soap, 859 cans, Memphis ASF Depot, Memphis, Tenn.

Hydrochloric Acid, 27,000 pounds, Richmond, Va.

Hydrogen Peroxide Solution, 63,033 bottles, Kansas City, Mo.

Hydroquinone, 500 pounds, Richmond, Va.

Iodoform, 7,000 bottles, Richmond, Va.

Lead Acetate, 1,000 pounds, Schenectady, N. Y.; 900 pounds, Savannah ASF Depot, Savannah, Ga.

Lead Oxide, Powered, 500 pounds, Baltimore, Md.

Lithium Sulphate, 800 pounds, Savannah ASF Depot, Savannah, Ga.

Magnesium Carbonate, 7,200 pounds, Richmond, Va.

Mercuric Cyanide, 5,000 bottles, Richmond, Va.

Mercurous Chloride Ointment, 17,563 pounds, Pueblo, Colorado.

Molybdic Acid, 2,500 bottles, Richmond, Va.

Paper Filter, 8,500 packages, Savannah ASF Depot, Savannah, Ga.

Phenol, 16,000 bottles, San Francisco, Calif.

Phosphotungstic Acid, 400 ounces, Richmond, Va.

Picric Acid, 22,000 ounces, Richmond, Va.; 14,000 bottles, Denver, Colorado area.

Potash Alum, 1,000 bottles, Richmond, Va.

Potash Carborate, 300 bottles, New York; 2,000 bottles, Richmond, Va.

Potash Chlorate, 1,000 pounds, Richmond, Va.

Potash Bichromate, 1,800 bottles, Denver, Colo.

Powder Bile, 2,500 bottles, Richmond, Va.

Senna Powder, 3,500 pounds, Richmond, Va.

Soda Acetate, 1,590 bottles, Denver, Col.

Soda Alurate, 3,000 bottles, Richmond, Va.

Soda Borate, 10,000 pounds, Richmond, Va.

Soda Carbonate, 6,000 pounds, Savannah ASF Depot, Savannah, Ga.

Soda Citrate, 300 bottles, Atlanta ASF Depot, Atlanta, Ga.

Stain, 550 bottles, Savannah ASF Depot, Savannah, Ga.

Starch, 2,500 pounds, Richmond, Va.

Sulfonatum Bitumen, N.F., 6,000 bottles, Richmond, Va.

Sulfosalicylic Acid, 4,000 ounces, Richmond, Va.

Tartaric Acid, 2,500 pounds, Richmond, Va.; 26,000 pounds, Denver, Col.

Thymol Iodide, 1,000 bottles, Richmond, Va.; 7,450 bottles, Savannah ASF Depot, Savannah, Ga.

Tincture, Cardamom Compound, USP, 9,000 bottles, Richmond, Va.

Tincture Myrrh, 3,000 bottles, Richmond, Va.

Zinc Chloride, 2,000 bottles, Richmond, Va.; 1,700 bottles, Atlanta ASF Depot, Atlanta, Ga.

Zinc Peroxide, 145,000 bottles, San Francisco, Calif.

Zinc Stearate, 500 pounds, Richmond, Va.

Air Reduction Forms Airco Export Corp.

The Air Reduction Company, New York, has formed Airco Export Corporation, to consolidate and direct the export business of its subsidiaries. Arrangements are also being made for the Airco Export Corporation to act as export agent for other concerns manufacturing chemicals and allied products.

L. A. Hull, vice-president of Air Reduction, has been named chairman of the new company, while H. R. Salisbury, formerly executive secretary of the company's post-war planning committee and Philadelphia district manager, will be president. The subsidiaries whose export trade will be directed by Airco Export are:—The Ohio Chemical & Manufacturing Company, Air Reduction Sales Company, The National Carbide Corporation, The Wilson Welder & Metals Company, and Pure Carbonic, Inc.

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Chemical Plant
CARLSTADT, N. J.

Current Market Quotations

—Continued from page 30

Zinc metal,[1,5,6] (quotations in Protective Coatings market report).		
Naphthenate, 8%-10% Zn, 50-gal. dms.	lb.	.16 - .19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
American process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07⅝- —
35% or more, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., dlvd.	lb.	.07¼- —
French process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
green seal, bgs., c.l., dlvd.,	lb.	.09 - —
l.c.l., dlvd.	lb.	.09¼- —
red seal, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08¾- —
white seal, bgs., c.l., dlvd.	lb.	.09¼- —
l.c.l., dlvd.	lb.	.09¾- —
USP,[6] 50-lb. ctns., c.l.	lb.	.10¼- —
l.c.l.	lb.	.10¾- —
Zinc oxide Pac. coast prices ½c. righer. Bbl. prices ½c. higher than bgs.		
Resinate, 8.7% Zn, 100-lb. dms.	lb.	.14½- —
fused, pale, bbls.	lb.	.11 - .12
precipitated, dms., dlvd.	lb.	.15 - —
Silicofluoride, bbls.	lb.	.15 - .16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 - —
ton lots, frt. equald.	lb.	.30 - —
smaller lots, frt. equald.	lb.	.31 - —
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., wks., frt. alld.	100 lbs.	3.40 - —
l.c.l.	100 lbs.	4.15 - —
flake, bgs., c.l.	100 lbs.	3.80 - —
l.c.l.	100 lbs.	4.55 - —
powd., bgs., c.l.	100 lbs.	5.35 - —
l.c.l.	100 lbs.	6.10 - —
Zinc sulphate in bbls., 25c. higher.		
Sulphide,[1,5] pure, bgs., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08¾- —
barium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
calcium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
fluorescent, pigment, works, frt. alld.	lb.	.90 - 1.00
magnesium pigment, bgs., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd.	lb.	.06 - —
Zinc sulphide Pac. coast prices ¼c. higher. Bbl. prices ¼c. higher than bgs.		
Sulphocarbolate, NF, bbls., dms.	lb.	.28 - .31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 - —
l.c.l., works.	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.50 - 2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd. E. of Rockies.	lb.	.06¾- —
dlvd. Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium hydride, cns., works.	lb.	7.00 - 8.00
Nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton.	75.00 -100.00
ex whse., Pac. cst.	lb.	.07 - —
white, 99%, grd., kgs., works,	lb.	1.80 - 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for January 1.

Surplus Disposal

—Continued from page 3

magnesium, synthetic rubber, chemicals, aviation gasoline, iron and steel, pipelines used for transporting oil, aircraft, shipyards, transportation, radio and electrical equipment, chlorine and caustic soda, nitrogen, machine tools, vanadium, alcohol, patents, processes, technic and inventions financed with government funds, and small business participation in export trade.

The surveys on aluminum and magnesium are now nearing completion and soon will be submitted to Congress. Reports on the other projects will be submitted as they are concluded. It is also the intention of the department, he added, to submit monthly reports to Congress setting forth letters of advice which the department has given with respect to disposition of surplus property. Two such letters, having to do with disposal of surplus communications equipment and cutting tools, accompanied the present report. They gave approval, with reservations, to plans of the Defense Supplies Corporation for disposing of these materials through the original manufacturers acting as agents for the government. The Department of Justice said that it does not view the execution of the agency agreements as a violation of the antitrust laws, but the legality of the disposition of the materials by the agents will depend on the practices followed by the agents.

DSC Offerings

—Continued from page 4

Cobalt Oxide, CP, 25 pounds, Edgewood Arsenal, Md.

Copper Arsenate, CP, 428 ounces, Edgewood Arsenal, Md.

Copper Cyanide, 975 pounds, Cincinnati, Ohio.

Copper Sulphate, 56,800 pounds, Cincinnati, Ohio.

Creosote, 195 pounds, Orangeburg, N. Y.

Cuprodine, 55 gallons, Detroit, Mich.

Dextrin, Corn, 334 pounds, Cincinnati, Ohio.

Diethylaniline, 13,600 pounds, Tooele, Utah.

Dinitrobenzene, 31 pounds, Edgewood Arsenal, Md.

Dinitronaphthalene, 100 pounds, Edgewood Arsenal, Md.

Dinitrophenol, 290 pounds, Edgewood Arsenal, Md.

Dinitrotoluene, 174 pounds, Edgewood Arsenal, Md.

Dye, 1,220 pounds, cotton, dark blue, Wichita Falls, Texas; 100 pounds, cotton, dark blue, Tyler, Texas; 476 pounds, cotton, dark blue, Paris, Texas; 300 pounds, cotton, dark blue, Ft. Worth, Texas; 500 pounds, cotton, dark blue, Ft. Worth, Texas; 1,000 pounds, dark blue, Camp Silbert, Ala.; 450 pounds, cotton, dark blue, Ft. F. E. Warren, Wyo.; 1,000 pounds, cotton, dark blue, Camp Siebert, Ala.; 650 pounds, cotton, blue, Ft. Riley, Kans.; 500 pounds, cotton, dark blue, Hereford, Texas; 1,500 pounds, cotton, dark blue, Camp Gruber, Okla.; 50 pounds, cotton, dark blue, Oklahoma City, Okla.; 990 pounds, cotton, dark blue, San Luis Obispo, Calif.; 1,450 pounds, cotton, dark blue, Camp Swift, Texas; 3,896 pounds, blue-indigo, Huntsville, Ala.; 45 pounds, indigo blue, Edgewood Arsenal, Md.; 200 pounds, wool, dark blue, Camp Bowie, Texas; 333 pounds, dark blue, wool, San Francisco, Calif.; 100 pounds, wool, dark blue, Tyler, Texas; 1,000 pounds, dark blue, wool, San Luis Obispo, Calif.; 875 pounds, dark blue, wool, Ft. F. E. Warren, Wyo.; 1,330 pounds, olive drab, Camp Blanding, Fla.; 2,247 pounds, smoke colored, orange, New York, N. Y.; 100 pounds, wool, dark blue, Oklahoma City, Okla.; 1,200 pounds, wool, dark blue, Camp Swift, Texas.

Eosin Y, Certified, 1,539 10-gram vials, Schenectady, N. Y.

Erythrosine, 28 bottles, Schenectady, N. Y.

Ether, Grade A, 13,029 quarts, Memphis, Tenn.

Ethylene Bromide, 4,000 grams, Edgewood Arsenal, Md.

Fast Green, 388 10-gram vials, Schenectady, N. Y.; 200 10-gram vials, Atlanta, Ga.

Ferric Chloride, 750 pounds, Savannah, Ga.

Ferric Nitrate, CP, 5,815 pounds, Edgewood Arsenal, Md.

Ferrous Ammonium Sulphate, 4,995 pounds, Cincinnati, Ohio.

Ferrous Sulphate, 9,613 pounds, Cincinnati, Ohio.

Flux, solder, 5,417 pounds, Pine Bluff Arsenal, Ark.; 90 gallons, Pine Bluff Arsenal, Ark.; 975 pounds, Auburn, Wash.; 10,100 pounds, Edgewood Arsenal, Md.; 1,128 gallons, Akron, Ohio.

Flux, liquid, acidless, 47 gallons, Detroit, Mich.

Flux, dry powder, 208 pounds, Analysis T-359-450, Detroit, Mich.; union melt, 27,293 pounds, Detroit, Mich.

Formaldehyde, 341 gallons, USP, 32 percent by weight, Edgewood Arsenal, Md.; 500 pounds, Sol., neutral, Reagent, 1 pound bottles, Savannah, Ga.

Glue, 55 gallons, liquid, Orchard Grove, Ill.

Glue, Marine, 2,950 pounds, Huntsville, Ala.; 10,471 pounds, Akron, Ohio.

Glue Thinner, 1,334 pounds, Huntsville Arsenal, Ala.; 899 gallons, Huntsville Arsenal, Ala.

Grease Aluminum Soap, 3,460 pounds, grade B, Oakland, Calif.; 12,460 pounds, grade A, Oakland, Calif.

Hydrobromic Acid, 200 pounds, Denver, Colo.; 63 pounds, Binghamton, N. Y.; 50 pounds, Savannah, Ga.; 125 pounds, San Francisco, Calif.

Hydrochloric Acid, 6,000 pounds, San Francisco, Calif.; 2,600 pounds, Schenectady, N. Y.; 13,000 pounds, Savannah, Ga.

Hydrogen Peroxide, 9,195 pounds, Louisville, Ky.

Insulating Compound, 6,100 gallons, Portsmouth, Va.

Iron Reduced, 1,700 pounds, Edgewood Arsenal, Md.

Isobutyl Methacrylate, 2,000 pounds, Edgewood Arsenal, Md.

Lead Acetate Compound, 805 vials, Schenectady, N. Y.

Lethane, 800 gallons, Mare Island, Calif.

Lithium Carbonate, 123 pounds, Schenectady, N. Y.; 125 pounds, Los Angeles, Calif.

Magnesium Oxide, 229 pounds, Edgewood Arsenal, Md.

Magnesium Sulphate, 400 ounces, Los Angeles, Calif.; 4,483 pounds, Cincinnati, Ohio.

Malachite Green, 2,500 10-gram vials, Louisville, Ky.

Manganese Dioxide, 2,200 pounds, Lawrence, Mass.

Manganese Oxide, 20 pounds, St. Louis, Mo.

Metal Polishing Compound, 1,134 pounds, Memphis, Tenn.

Metatoluidin, 11 pounds, Edgewood Arsenal, Md.

Methyl Orange, 5,324 10-gram vials, Louisville, Ky.

Methyl Violet, 36,000 10-gram vials, Louisville, Ky.

Molybdic Acid, Anhydride, 238 pounds, Binghamton, N. Y.; 250 pounds, Savannah, Ga.; 1,000 pounds, San Francisco, Calif.

Monochloracetic Acid, 10,000 pounds, Edgewood Arsenal, Md.

Nickel Carbonate, 663 pounds, Cincinnati, Ohio.

Nickel Hydroxide, 118 pounds, Cincinnati, Ohio.

Nickel Sulphate, 9,000 gallons, Cincinnati, Ohio.

Nitrocellulose, 36,316 pounds, Ravenna Ord. Center Apco, Ohio; 136 drums, Romulus, N. Y.; 359 pounds, Huntsville, Ala.; 529 pounds, Huntsville, Ala.; 5,381 pounds, Toledo, Ohio.

Nitronaphthalene, 192 pounds, Edgewood Arsenal, Md.

Paint Netting Base Dye, 8,300 pounds, Newton Upper Falls, Mass.

Parazole, 215 pounds, Edgewood Arsenal, Md.

Paste Abrasive, 59,000 pounds, Louisville, Ky.

Paste, Laytex Primer, 14,760 pounds, Richmond, Calif.

Phenol, CP, 10 pounds, Schenectady, N. Y.

Phenolamine, Alkylated, Tertiary, 6,053 gallons, Alameda, Calif.; 551 gallons, Corpus Christi, Tex.; 4,200 gallons, Clearfield, Utah.

Phosphoric Acid, Tech., 249 gallons, Atlanta, Ga.

Phosphoric Acid, USP, 1,330 pounds, Columbus, Ohio.

Phosphoric Acid, 362 gallons, Memphis, Tenn.

Phosphotungstic Acid, 750 ounces, Denver, Colo.; 150 ounces, Atlanta, Ga.; 1,314 ounces, Binghamton, N. Y.; 1,200 ounces, San Francisco, Calif.

Pine Tar, 1,100 gallons, San Francisco, Calif.

Polyvinyl Alcohol, 15,250 pounds, Edgewood Arsenal, Md.

Potash Diphthalate, 1,388 bottles, Savannah, Ga.; 1,436 60-gram bottles, Binghamton, N. Y.

Potash Bromide, 248 bottles, Schenectady, N. Y.

Potash Carbonate, 300 pounds, St. Louis, Mo.

6Potash Caustic, 1,100 pounds, Denver, Colo.

Potash Chloride, 10,000 ounces, Louisville, Ky.

Potash Chromate, 48 pounds, Los Angeles, Calif.; 105 pounds, Binghamton, N. Y.

Potash Chrome Alum, 10 pounds, Cincinnati, Ohio.

Potash Dichromate, 200 pounds, Los Angeles, Calif.

Potash Ferrocyanide, 97,600 ounces, Louisville, Ky.; 250 ounces, Binghamton, N. Y.

Potash Iodate, 88 pounds, Binghamton, N. Y.

Potash Metabisulphite, Anhydrous, 6,000 pounds, Topeka, Kans.; 17,776 pounds, South Bend, Ind.

Potash Nitrate, 860 pounds, Edgewood Arsenal, Md.

Potash Sulphate, 115 pounds, San Francisco, Calif.

Primer, 18,600 pounds, Richmond, Calif.

Protective Finish, 613 gallons, Huntsville, Ala.

Quebracho, 55 barrels, San Bernardino, Calif.

Reinhibitor Compound, 5 cans, Cincinnati, Ohio.

Rust Preventative Compound, 20 gallons, Quantico, Va.; 800 pounds, Dixon, Ill.

Rosin, 1-ounce cake, USP, 54,690 packages, Louisville, Ky.

Rust Preventive, 331 gallons, Huntsville, Ala.

Soda Acetate, CP, 1,500 pounds, Louisville, Ky.

Cans to protect the family's food . . . Crowns to keep drinks right
The plastic case for your radio . . . . . And containers, liquid-tight
. . . ARE ALL MADE BY
CONTINENTAL CAN COMPANY
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CONTINENTAL PRODUCTS: Metal Containers · Fibre Drums · Paper Containers · Paper Cups · Plastic Products · Crown Caps and Cork Products · Machinery and Equipment.
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REPORT TO THE NATION," every Saturday over CBS coast-to-coast network.

HERE'S THE SECOND ad in the new Continental advertising campaign telling folks about all the different things we now make. These ads not only point up the advantages of all kinds of products in cans—they also point out our expanded facilities and complete services. Watch for these full-color ads in such leading national magazines as *Time, Newsweek, U. S. News, Business Week* and *Fortune*. And keep your eye on Continental and the Continental trademark, too. The Triple-C stands for one company with one policy—to give you only the very best in quality and service.

Soda Bicarbonate, 1,000 pounds, Edgewood Arsenal, Md.

Soda Bisulphite, 200 pounds, Savannah, Ga.

Soda Bromide, 376 pounds, Huntsville, Ala.; 100 pounds, Edgewood Arsenal, Md.; 1,100 pounds, Denver, Colo.

Soda Carbonate, 4,733 pounds, Cincinnati, Ohid.

Soda Chloride, 6,295 pounds, Cincinnati, Ohio.

Soda Caustic, Flake, 2,609,700 pounds, Sharonville, Ohio; 6,000 pounds, Huntsville, Ala.; fused, 198,980 pounds, Huntsville, Ala.

Soda Cyanide, 500 pounds, Cincinnati, Ohio.

Soda Dichromate, 850 pounds, San Diego, Calif.

Soda Fluoride, 2,900 pounds, San Francisco, Calif.; 3,499 pounds, Binghamton, New York.

Soda Iodide, 90 pounds, Pine Bluff, Ark.; 88 No. 25 drums, Denver, Colo.

Soda Nitrate, 150 pounds, Illiopolis, Ill.

Soda Lime, White, 43,400 pounds, Edgewood Arsenal, Md.

Soda Oxalate, 75,600 pounds, Akron, Ohio; 100 pounds, Schenectady, N. Y.; 89,800 pounds, Jacksonville, Ill.; powder, 175,792 pounds, Detroit, Mich.

Soda Phosphate, Monobasic, 203 pounds, Binghamton, N. Y.

Soda Phosphate, 200 pounds, Cincinnati, Ohio.

Soda Phosphate, Dibasic, 162½ pounds, Schenectady, N. Y.

Soda Acid Pyrophosphate, 90 350-lb. net barrels; 32 400-lb. net barrels, 3 400-lb. wooden barrels, 7 350-lb. wooden barrels, San Bernardino, Calif.

Soda, Sal, 575 pounds, Camp Kohler, Calif.

Soda Silicate, 10,800 pounds, San Francisco, Calif.

Soda Silicate, 28 drums, San Bernardino, Calif.

Soda Sulphite, 6,750 pounds, San Francisco, Calif.

Soda Sulphate, 25,000 pounds, Louisville, Ky.

Soda Sulphide, 383 ounces, Los Angeles, Calif.; 1,335 pounds, Los Angeles, Calif.

Soda Sulphate, 7,414 pounds, Cincinnati, Ohio.

Soda Sulphite, 3,475 pounds, Binghamton, N. Y.

Sodatetrapyrophosphate, 53,800 pounds, San Bernardino, Calif.

Soda Thiosulphate, 900 pounds, Denver, Colo.; 338 pounds, Cincinnati, Ohio; 183,900 tubes, Memphis, Tenn.

Stannous Chlorde, 37 pounds, Cincinnati, Ohio.

Starch, Soluble, 500 ounces, Schenectady, N. Y.; 300 ounces, Binghamton, N. Y.

Stripping Material, 400 pounds, Dixon, Ill.; 720 pounds, Dixon, Ill.

Strontium Oxalate, 16,000 pounds, Tooele, Utah.

Sulphosalicylic Acid, 375 pounds, Denver, Colo.; 2,000 ounces, San Francisco, Calif.

Sulphuric Acid, 300 pounds, San Francisco, Calif.; 2,500 pounds, Denver, Colo.; 250 pounds, Louisville, Ky.

Sulphurous Acid, 1,265 pounds, Denver, Colo.; 1,835 pounds, Ogden, Utah; 325 pounds, San Francisco, Calif.; 175 pounds, Savannah, Ga.

Sulphur, Flour, 400 pounds, Illiopolis, Ill.

Sulphur Monochloride, 1,670,000 pounds, Denver, Colo.

Sulphur and Lime Solution, 7,680 pounds, Ft. Lewis, Wash.

Tar, 100 pounds, Camp Crowder, Mo.

Tar, Liquid, 165 gallons, Orchard Grove, Ill.

Tar, Oil, Rectified, 3,000 pounds, San Francisco, Calif.

Thiokol, 5,575 gallons, Savannah, Ga.

Thinner, 500 gallons, Clarksville, Tenn.; 730 gallons, Pine Bluff, Ark.

Triphosgene, CP, 136 pounds, Edgewood Arsenal, Md.

Tyrosine, 200 grams, Binghamton, N. Y.; 400 grams, Atlanta, Ga.; 100 grams, Schenectady, N. Y.

Urea, 8,000 ounces, Los Angeles, Calif.; 16,600 ounces, Louisville, Ky.

Zinc Chloride, 245 pounds, Binghamton, N. Y.; 425 pounds, Atlanta, Ga.; 15 pounds, Schenectady, N. Y.

Zinc Sulphate, Crystals, 86 pounds, Independence, Mo.

Zinc Sulphate, U.S.P., 2,371 pounds, Binghamton, N. Y.

ISOCEL brings aluminum chloride UNDER CONTROL

Isocel is a prepared catalyst — a bauxite carrier impregnated with aluminum chloride. It produces a clean-cut, smooth isomerization reaction — and controls or entirely eliminates the reactor corrosion often experienced when aluminum chloride is used alone or in sludge form. This hard granular material is available for all processes utilizing aluminum chloride as a catalyst.

We have a highly specialized laboratory for the study of catalysts and catalytic reactions. We will be glad to help you adapt Isocel to your own processes, or to assist you in developing new catalytic materials of this general type.

We have specialized in the development of bauxite both as a catalyst and as a catalyst carrier. In developing Isocel, we have also studied applications of bauxite as a carrier for many other catalytic materials. Before figuring the costs of a new catalyst or reagent using adsorbent materials, let us tell you how economically we can make it.

We will gladly furnish large or small scale samples of catalysts of this type to particular specifications. Just write us.

POROCEL CORPORATION • BAUXITE ADSORBENTS AND CATALYSTS

260 SOUTH BROAD STREET, PHILADELPHIA 1, PA.

Fats, Oils, Output, Consumption: November

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for November, 1944, as compiled by the Bureau of Census, follow:—

Vegetable Oils

	Pounds	
	Production	Consumption
Babassu, crude	[3]	[3]
Refined	[3]	[3]
Castor, No. 1, crude	12,048,000	10,775,000
No. 3, crude	3,592,000	4,819,000
Dehydrated	6,551,000	6,423,000
Sulphonated	.....	557,000
Chinawood or tung oil	.....	1,038,000
Coconut, crude	11,807,000	15,253,000
Refined	6,008,000	6,268,000
Corn, crude	19,126,000	20,002,000
Refined	18,158,000	2,961,000
Cottonseed, crude	190,543,000	157,334,000
Refined	146,507,000	105,766,000
Linseed	54,273,000	47,585,000
Olive, edible	[3]	24,000
Inedible	.....	40,000
Sulphur oil or olive foots	.....	204,000
Oiticica	.....	985,000
Palmkernel, crude	[3]	[3]
Refined	[3]	[3]
Palm, crude	.....	4,474,000
Refined	[3]	[3]
Peanut, crude or virgin[1]	11,520,000	9,288,000
Refined	8,684,000	8,428,000
Sesame	.....	369,000
Soybean, crude	101,189,000	88,391,000
Refined	82,572,000	89,259,000
All other	2,173,000	3,856,000

Animal Fats

Lard, rendered (including neutral lard and rendered pork fats)	175,426,000	22,810,000
Neatsfoot oil	243,000	368,000
Tallow, edible	8,358,000	10,823,000
Inedible	84,575,000	103,545,000

Fish Oils[4]

Codliver oil	456,000	607,000
Cod oil	82,000	948,000
Marine mammal oil	.....	1,156,000
Other fish oil except liver oil	[5]24,829,000	25,355,000
Other liver oil	476,000	820,000

Greases

Greases (including garbage and house), other than wool	50,784,000	63,247,000
Wool grease	1,626,000	2,215,000

Secondary Products

Animal fat and oil fatty acids	17,994,000	18,723,000
Animal foots, 100% basis	2,709,000	3,052,000
Fish and marine mammal fatty acids	2,054,000	541,000
Grease and lard oil	4,470,000	4,109,000
Oleo oil	3,966,000	1,015,000
Red oil or oleic acid	6,254,000	5,232,000
Stearic acid	4,779,000	3,759,000
Foots, from fish and marine mammal oil (100% basis)	.....	69,000
Stearin, animal, edible	2,675,000	2,166,000
Inedible	3,385,000	1,954,000
Stearin, vegetable oil, winter	8,635,000	9,969,000
Tallow oil	4,128,000	959,000
Vegetable oil fatty acids from foots and other than from foots including fatty acids from tall oil, palm oil, refuse, etc.	17,066,000	13,383,000

Other Products

Glycerin, chemically pure (100% basis)	7,684,000	9,084,000
crude (100% basis)	16,776,000	18,729,000
high gravity and yellow distilled (100% basis)	10,834,000	6,236,000
Hydrogenated oils, edible	95,695,000	87,941,000
Inedible	35,903,000	34,569,000
Shortening	133,026,000	391,000
Winterized vegetable oils	33,100,000	.....

[1] Bureau of Agricultural Economics collected the data from peanut oil producers.
[2] Included in "All other" vegetable oils.
[3] Not shown to avoid disclosure of individual operations.
[4] Fish and Wildlife Service collected the data from fish oil producers.
[5] Includes 21,872,000 pounds of herring, sardine and pilchard, and 2,649,000 pounds of menhaden for November, and corresponding figures for October 49,799,000 and 1,813,000.

Paint Price Conference With OPA Scheduled

OPD Washington Bureau

A meeting has been scheduled by the chemicals branch of the Office of Price Administration for January 18, with an advisory committee for the paint industry, for a discussion of pricing problems affecting the industry.

Lester V. Chandler, chief of the branch, announcing the conference, said that it will be the first meeting with the paint committee and most of the time probably will be taken up with organization matters and an explanation of the purposes of the group. Members of the committee are laregly those now serving on the WPB protective coatings advistory committee. The group will meet first with the War Production Board in a conference scheduled for that day.

Chamber of Commerce Cancels Meeting

United States Chamber of Commerce has canceled its annual meeting which was scheduled to be held in the Waldorf-Astoria hotel, May 1 to 3.

Obituaries

E. C. Alford

Edwin C. Alford, of the California Flaxseed Corporation, treasurer of the Los Angeles Paint and Varnish Production Club, died December 12, as a result of an accident.

P. D. George

P. D. George, head of the P. D. George Company, St. Louis, paint and varnish manufacturer, died Thursday, Jan. 11.

Oliver J. Hall

Oliver J. Hall, vice-president of the Harshaw Chemical Company for the past twenty years, died in Cleveland of a heart ailment January 10, at his home in Shakes Heights, Ohio. He was fifty-seven years of age.

Born in Brantford, Ontario, Canada, July 21, 1887, Mr. Hall had been employed by Bonbright & Co., New York City, and the Bucyrus Company, Milwaukee, before joining the Harshaw organization May 24, 1915. He was made a vice-president in 1935 and remained in that capacity until his death.

Surviving are his wife and his son, J. D. Hall, who is associated with the company in a sales capacity.

Dr. William S. Myers

William Shields Myers, DSc., former director of the Educational Bureau of the Chilean Nitrate of Soda Producers in the United States, died January 10 in his home in Bainbridge, N. Y. He was seventy-eight years old.

Dr. Myers was born in Albany, N. Y. He was a graduate of Rutgers College and studied also in Munich, Berlin, and London. He was assistant chemist for the New Jersey Experiment Station, 1888 to 1889; chemist for Lister Chemical Works for a year after his return from London in 1892. In 1893, he became a member of the Rutgers Chemical faculty, remaining until 1901, when he began his association with the Chilean nitrate bureau. He retired from the directorship in 1926. Dr. Myers was a trustee of Rutgers from 1902 to 1906 and again from 1912. He was mayor of New Brunswick, N. J., from 1904 to 1906, and was a member of the managing Commission of the New Jersey State College of Agriculture during the past twenty-four years. He founded the *Journal of Soil Science* and was the author of a number of books in the agricultural and social sciences.

Dr. Myers' survivors are his wife, Annie Lambert Myers, and a son, William Lambert Myers.

Philip Ruxton

Philip Ruxton, founder and retired president of the ink manufacturing firm of his name and former president of the Ink Association of America, died in New York January 8 after a long illness. He was seventy-eight years of age.

Surviving are his wife, two daughters.

Ernest Barber, retired silk manufacturer and consultant, died January 5 in Paterson, N. J. He was seventy-eight years of age.

Miss Bessie B. Brown, since 1924 a member of the personnel department of the Sinclair Oil Corporation, New York, died recently. She was sixty-five years of age.

Aubert J. Fay, founder and president of the Father John's Medicine Company, Lowell, Mass., died December 25. He was eighty-four years of age.

Albert M. Kelley, vice-president of the Richfield Oil Company in charge of the manufacturing, pipeline and marine departments, died in Los Angeles, January 8. He was fifty-five years of age.

Thomas W. McManus of Bakersfield, Calif., representative in Washington of West coast oil and agricultural interests, died in Washington January 2.

Anthony C. O'Donnell, former superintendent of the still department of the New York Basin & Oil Company, Elizabeth, N. J., died recently. He was seventy-eight years of age.

Arthur D. Rossell, former assistant manager of the Drug Merchants of America, New York, died in Yonkers, N. Y., December 31.

John D. Stevens, manager of aluminum pigment sales for the Aluminum Company of America, Pittsburgh, died recently. He was fifty-one years of age.

William Trelease, professor emeritus of botany at the University of Illinois and member of the Illinois State National Resources and Conservation Board, died in Urbana, Ill., January 2. He was eighty-seven years of age.

Conventions, Trade Show Applications Forms Set

OPD Washington Bureau

Organizations planning to hold conventions, conferences, trade shows or group meetings after February 1 "will have to show how the war effort would suffer if the meetings were not held," Col. J. Monroe Johnson, Chairman of the War Committee on Conventions, has announced. The committee approved the form of application required of organizations planning group meetings to be attended by more than 50 persons. The information required by the committee includes:—

Whether the planned meeting is a convention, conference, trade show, or government meeting; the date and location of the proposed meeting and name of hotels or other facilities that will be used; attendance planned; previous frequency of meetings; location and attendance of last previous meeting; average attendance at similar meetings before the war and during the war; from what area those attending are drawn; what steps have already been taken to curtail attendance; why the objectives of the meeting cannot be attained through "Conventions by Mail"; why a group of 50 or less to whom powers are delegated cannot transact the necessary affairs of the organization and in what way and to what extent the war effort would suffer if the meetings were not held.

WPB Names Crandall Kansas City Region Head

Appointment of Louis E. Crandall as regional director of the War Production Board, for the Kansas City region, has been announced by J. A. Krug, chairman of WPB. This region includes the States of Missouri, Kansas, Nebraska and Arkansas and a small part of Iowa and Oklahoma. Mr. Crandall succeeds W. B. Satterlee, who is leaving the board because of pressure of his private affairs, WPB said.

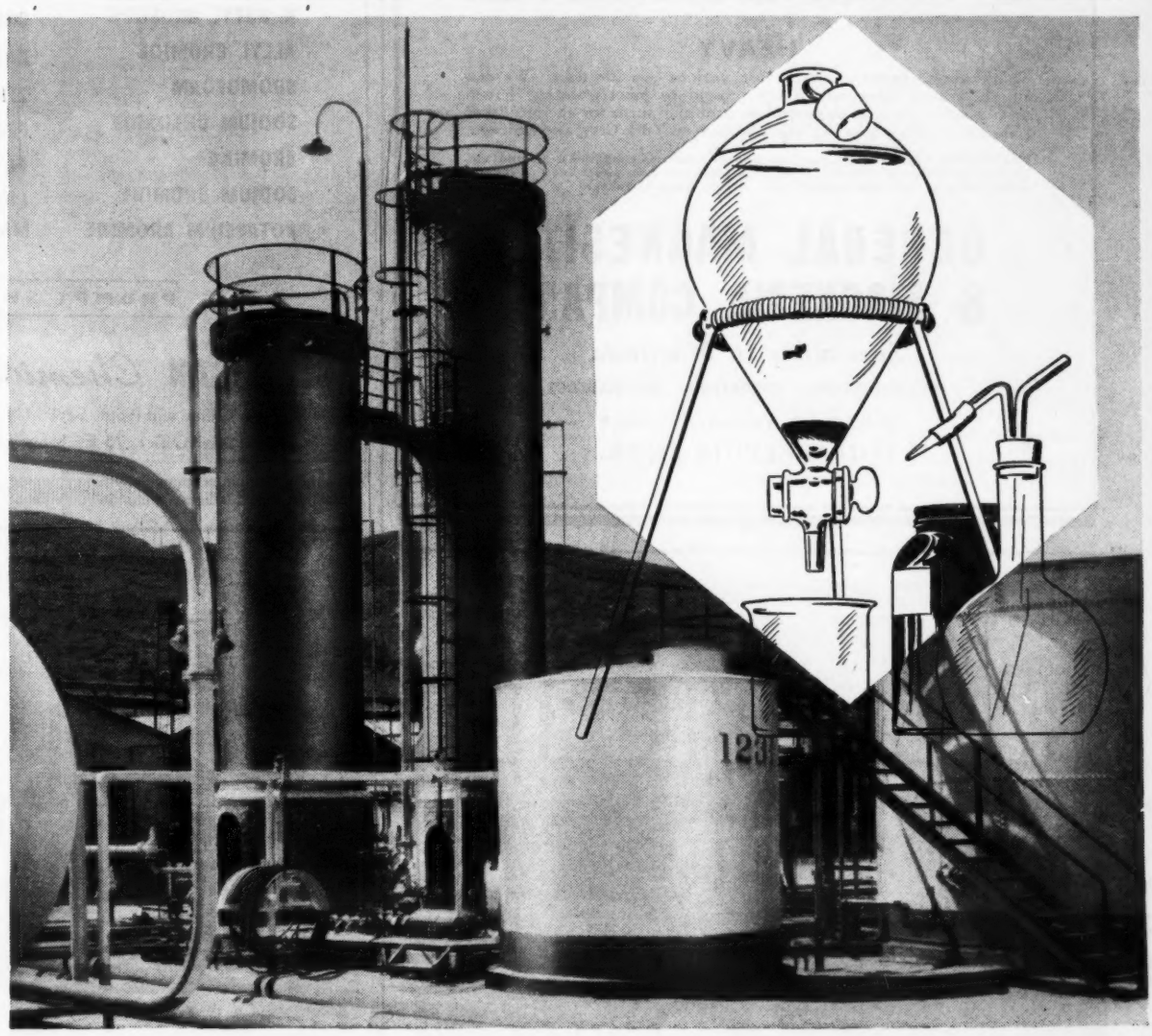
Maintenance Order Amended by WPB

OPD Washington Bureau

Order P-89 governing maintenance, repair and operating supplies for the chemicals industry has been amended to establish quotas for 1945 similar to those granted last year, the War Production Board has reported. The cost of installations for minor capital additions is not now included in the $500 maximum permitted by the order, WPB pointed out. This cost was included prior to today's amendment.

Allowance for maintenance, repair and operating supplies for the January release of industrial alcohol facilities and for any similar exceptional cases that may be authorized by WPB has been included in the provisions of the amended order.

H. R. Smalley, chief agromonist for the National Fertilizer Association, completed his first quarter-century with the organization December 31. His earlier work in his special field was at Purdue University and in the field services of the United States Department of Agriculture.



Out of Petroleum : your chemicals of *Tomorrow*

Out of Petroleum, Oronite Research is creating chemicals that are finding application in many industrial fields. Some of these are familiar substances which will become available in greater quantity thanks to an abundant source of crude material. Others are newly discovered chemicals—products of the ingenuity of Oronite chemists.

Oronite Research Laboratories are leading the way in the development of these chemicals from petroleum. The men who work in these laboratories are doing more than create new materials. They are carefully studying the characteristics of these products and paving the way for their commercial application in highly diversified fields.

Oronite Chemicals may not now be available to you, for even those which are already in commercial production are largely subject to war-time allocations. But all of our data is at your disposal, and our research staff is ready to help you with your particular problems.

Look to Petroleum for new Industrial Chemicals. Look to Oronite for pioneer developments in this extensive field.

These Oronite* Products are now in Commercial Production:

Oronite Drying Oil Extenders
Oroplast*
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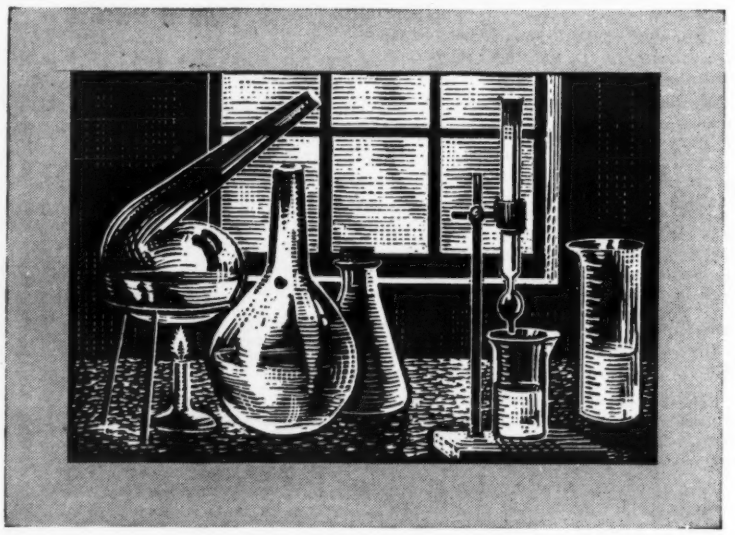

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Heavy Chemicals

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparat've Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

More inquiries reached the heavy chemical market last week than for some time. There was quite a desire to renew expired contracts and possibly a sprinkling of speculative interest. The influx caught the market with shelves well cleared and it was not believed that any unusual volume of business was placed. The activity on the part of prospective buyers appeared to be inspired by military developments abroad and a confusion of ideas as to when the European conflict would end. Underneath the surface was a somewhat broader government demand for materials for military use. This background was primarily responsible for a further tightening in the overall supply situation.

An event of importance was the placing of potash carbonate on the allocation list. Government buying of this chemical in recent weeks has drained production and the effect was keenly felt by civilian consumers through short shipments that never seemed to increase. The close affiliation of potash caustic production with that of carbonate was sympathetically reflected in the former, but caustic enjoys a much larger output and was not purchased by the government so persistently.

Soda caustic was just as tight, if not tighter than at any time since the war started. Elemental phosphorous and oxalic acid leaned toward a tighter condition. Sulphuric acid was under better balance from allocations, but there was no apparent easement in the supply of hydrofluoric or naphthenic acids. Sal ammoniac continued to whirl under heavy buying for the manufacture of dry batteries. In general, deliveries were slower, the heavy snowfall in nearby areas, combined with manpower shortage, exerted a retarding influence.

Paper production as a percentage of six-day capacity was 81 in the week ended Jan. 6, according to the American Paper and Pulp Association. This compares with 61.0 in the previous week and 90.2 percent a year ago.

Ammonia Anhydrous—Heavy demand reported for synthetic. Agricultural interests seemed to be getting a fair break from available supplies while less than 50 percent of fertilizer requests are expected to be approved this month.

Ammoniac Sal—Battery manufacturers have been the foremost buyers of this material since the first of the year. The government has asked for increased production of dry batteries for military use, while civilian requirements have also remained unusually heavy. Production has left the supply situation favorable to meet this demand.

Antimony Oxide—Shipments of this material for government use as a flame or fire retardent have kept the civilian supply short of demand. Continual importations of antimony ore have placed the basic metal in favorable supply but producers have not the facilities to convert the ore into oxide fast enough to meet the current extent of consuming demand. This condition is responsible for the tight position of the market existing at present.

Barium Chloride—Reported in somewhat better supply condition as far as the government is concerned with civilians getting a better break on available material from allocations. This condition was also said to be true of barium carbonate.

Bleaching Powder—Government requirements for this material appear to have been satisfied but this condition had no apparent influence on the open market. Producers reported no surplus material and asserted civilian demand is in excess of the available supply at present.

Calcium Acid Phosphate—Several lots of this material are being offered by the War Food Administration to chemical manufacturers and processors of various foodstuffs. Details will be found elsewhere in this issue.

Chlorine—While allocations for essential requirements have been covered, the market was generally reported tight with no surplus inventories around. This influence was reflected in several chemicals that require chlorine in their manufacture.

Copper—Production of crude copper in December was 76,063 tons. Refined was placed at 82,649 tons by the Copper Institute. November output was 76,466 tons of crude and 87,145 tons of refined. Stocks at the end of 1944 were 66,780 tons of refined copper against 58,051 tons at the close of November. Production of refined for the year 1944 was 1,098,788 tons against 1,206,871 tons in 1943. Production of crude was given at 1,055,444 tons compared with 1,194,699 tons in 1943.

Epsom Salt Technical—Production has been able to create a favorable supply situation for this chemical. Shipments have gone forward as promptly as labor and transportation conditions would permit.

Iron Chloride—Production reported to have been pushed to meet demand for this chemical. Restrictions current in chlorine have prevented output from increasing. The major part of production is said to be moving for sewage and water treatment.

Manganese Sulphate—Deliveries reported considerably behind contract schedules with production continually under pressure. No easement in supply situation suggested for immediate future.

Nickel Silicate — An option is reported to have been taken to sample deposits of nickel silicate at Lomo de Hierro, Venezuela, by a large United States company. Pitting and drilling operations are being carried out to determine development possibilities. The deposits are reported to contain many millions of tons of garnierite ore with 2 percent nickel.

Nickel Sulphate — Government and civilian demand prevented any easement in the supply position. Civilian inquiry has been increasing over the past few weeks while no appreciable expansion in production was reported. A large part of the buying interest was said to emanate from the automobile factories.

Phosphorus — Reported that additional buying of elemental material for government requirements has increased the pressure on the supply position. This would mean more of a drain on production and less material available for civilian uses. The market was quoted definitely tight at the close.

Potash Carbonate—WPB placed this material under allocation control of schedule 85 of order M-300 on January 10. The action was influenced by the development of new military requirements and increases in existing military needs. Demand in recent months for government requirements has increased substantially and civilian shipments were cutback in order to fill government wants. Under WPB regulation, distribution will become equalized and restore a better balanced disbursement all around. The production of this chemical, while relatively small in comparison to some of the other heavy chemicals, has covered a rather wide consuming field including manufacturers of explosives, glass, rubber, textiles and dyes. Details of the new order will be found elsewhere in this issue.

Potash Caustic—Reported in a tight supply condition but not to the same degree as potash carbonate. Potash caustic has a larger production than carbonate and it has not been taken by the government for specific military uses in as large dimensions as carbonate. This has relieved produc-

For Current prices see alphabetical listing beginning on page 9.

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tion of some of the pressure at least.

Potash Chlorate—Domestic demand has shown an expanding tendency but production has been able to meet requirements without unusual difficulty. Manpower shortage is reported to have prevented producers from increasing their former capacity and the outlook for labor cannot be construed as favorable at the present time. Allocations, however, have kept a well balanced market position. Export demand has continued active.

Potash Permanganate—No easement from the tight supply position could be noted in this market. Demand for military and other essential requirements is ahead of production and while there are prospects of increased output, it will be several months before the plant now being constructed will swing into operation.

Soda Ash—Supply situation remained tight with no surplus material available. Shipment conditions show some improvement compared with a month ago, in as much as deliveries are running a little closer to contract schedules, dense ash in bulk revealing the most improvement. A fair export inquiry was reported from Mexico and South America.

Soda Caustic—Market conditions have not improved during the past week. In fact some prominent sellers reported the supply position tighter than at any time since the beginning of the war. Production is running at as high a capacity as the manpower shortage will allow but demand is in excess of current output and the market situation reflects these influences. Back of military requirements, there is an abnormally heavy demand for use in the rayon, oil, soap and other important consuming industries.

Soda Chlorate—Started on its first quarterly allocation for 1945 in a well balanced condition. Demand reported active with production adjusted to take care of inquiry. Some difficulty in moving deliveries promptly owing to manpower shortage.

Soda Nitrite—Supply position has not been under pressure and material continued available for prompt shipment. The meat packers have taken a normal amount of stock but demand from the dye manufacturers has remained slow because these interests are not making much of the dyestuffs that require soda nitrite.

Tungsten—Production tax has been abolished on tungsten ore produced in Spain. According to the preamble of the decree, the recent drastic changes in demand for tungsten ore have caused such a drop in prices that there is no justification for maintaining a tax which might be in excess of the sales price of the mineral.

Acids

Chromic—Production reported meeting essential wants while general demand continued considerably in excess of output. Shipments are going forward under WPB regulations. United Kingdom exported 20,343 tons of chrome ore to the United States for the year ending June 30, 1944, accrding to British advices. Most of the material came from British colonies and was described as lend-lease in reverse.

Muriatic—Miscellaneous buying interest of satisfactory dimensions was reported by producers. Output has kept the supply position favorable enough to permit prompt shipments from works.

Nitric—Reported in fair supply last week although it was admitted that inventories change rapidly under current influences. Prompt shipments were quoted at former price levels.

Oxalic—Consuming demand reported above supply limit with producers sold well ahead. The continued absence of surplus stocks has kept the supply position tight. Deliveries were delayed from some producing points on account of the heavy snow and the acute shortage of manpower to move material.

Sulphuric—Moved in satisfactory shape under WPB regulations. Demand continued heavy for government and civilian requirements while the present supply position remained tight and insufficient to meet requirements in full.

Sulphuric acid needs of the Soviet oil refineries at Baku will be met to a greater extent by local production as the result of the discovery of pyrite deposits in the Lesser Caucassus range, says the Russian press.

Baltimore, Jan. 12—There have been no developments during the past week to bring a change into the operations of producers of sulphuric acid, with the government allocation plan effective during all of the current month on the basis fixed for December. It is still a case of the top prices realized by producers in March two years ago, constituting the market so far as the government is concerned, and nothing more has been heard of efforts to establish a uniform ceiling, the issue being apparently shelved for the duration. Meanwhile, government agents are busy with renegotiation talks as a means of holding down the returns to producers of acid and preventing high profits. Variations in the price range are declared to be too small to make an issue of the matter, and production goes on at a rate commensurate with the capacity of plants, though time must be taken out for such repairs as must be made.

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The need for fabric treated so as to render it resistant to fire, water, and mildew became acute when the war broke out. Now, in every corner of the globe, canvas, duck, and other textiles, impregnated with Naylee **Naypar** Chlorinated Paraffin is helping to save many lives and millions of dollars in matériel for our armed forces.

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(Warehouses from Coast to Coast)

Merger Bar Asked

—Continued from page 3

nishes, and portland cement—and five groups of manufacturers of commodities used by all classes of consumers.

FTC general legal work during the year included the issuance of 195 formal complaints alleging violations of law; entrance of 124 orders to cease and desist from such violations; acceptance of 303 stipulations wherein respondents agreed to discontinue unlawful practices, of which 113 pertained especially to radio and periodical advertising. Favorable reports were obtained by the commission in thirty-seven cases in the United States courts, three of which were before circuit courts and six before district courts.

Export Trade Activities

In order to facilitate the administration of the Webb-Pomerene law and to meet the current problems presented by foreign trade reconstruction, the commission reorganized its work under the act and created an Export Trade Office. At the close of the fiscal year, forty-six export associations were registered with the commission and operations of several were under investigation to determine whether they were engaging in practices in violation of the act.

Commenting on this law, the report said:—

It is anticipated that the operation of the act will be an important factor in the postwar export trade of the United States, and that the associations already organized will be well equipped to meet the problems of that period, as well as the currently changing conditions now obtaining in foreign markets.

The Webb law is the logical medium for organized exportation, and it is expected that many such cooperative groups may be formed in the next few years. Plans already are under way for organization of associations to export to Europe as soon as the conflict there is ended. Rehabilitation of the occupied areas will necessitate a large volume of exportation. The industrialization program in Latin America will lead to increased foreign trade with that area; and American industrialists who expect to take part in the reconstruction of the Orient are now planning export associations for that purpose.

American Cyanamid to Build Alum Plant in Ohio

A new plant for the manufacture of commercial alum is being built by the American Cyanamid & Chemical Corporation on a 40-acre tract at Schenk, just outside the city limits of Hamilton, Ohio. The corporation, a unit of American Cyanamid Company, operates seven other plants for the manufacture of alum in widely separated locations. Principal uses of the product are in the paper industry and in water purification plants.

Ammonia **ALUM** Potash

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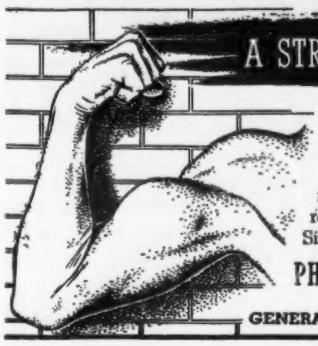

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Plan today for *your* share in India's huge market. Further information may be obtained from our American representative.

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Miscellaneous Chemicals Output: 1943

Production and sales of miscellaneous synthetic chemicals in 1943, as compiled by the Tariff Commission, follows:—

	Pounds	
	Production	Sales
(A) Cyclic (coaltar):		
Total	328,245,099	208,907,232
Benzoic acid salts:		
Sodium benzoate..	2,878,070	2,891,882
Biological stains and chemical indicators	52,148	48,430
Gasoline antioxidants and inhibitors	6,636,578	7,212,851
Insecticides	5,489,841	4,342,171
Photographic chemicals: Total	3,628,933	5,077,460
Benzotriazole	3,089	3,485
Hydroquinone (Hydroquinol)	2,658,656	4,216,383
p-Hydroxyphenylglycine	3,873	4,061
Other	963,315	853,531
Plasticizers: Total..	112,017,508	109,020,549
Quaternary ammonium compounds	865,708	854,368
Surface-active agents:		
Total	40,095,665	33,526,074
Alkyl naphthalene sulphonates	2,210,554	2,065,349
Sulphonated petroleum compounds.	33,224,079	27,038,635
Other	4,661,032	4,422,090
Tanning materials..	16,128,758	15,378,529
All other	140,451,890	30,554,918
(B) Non-cyclic (noncoaltar): Total	8,837,260,893	4,879,733,726
Acetaldehyde		8,616,986
Acetic acid—		
Synthetic (100%)..	292,541,321	133,693,010
Recovered (100%)..	510,380,574	71,770,811
Acetic acid salts—		
Aluminum acetate.	1,688,535	1,799,967
Sodium acetate	15,089,090	15,393,534
Acetic anhydride, from all sources..	460,425,849	
Acetin: Tri	5,706,860	5,682,686
Alkyl nitrites	26,198,501	
Amines: Total	42,649,246	27,040,293
Dimethylamine	1,364,717	991,707
Hexamethylenetetramine	24,733,192	[1]
All other	16,551,337	26,048,586
Aminohydroxy compounds		12,162,240
Amyl acetates: Total	11,498,926	9,327,861
Primary: Normal (90%)	6,466,142	[1]
All other	5,032,784	[1]
Amyl alcohols: Refined	12,072,725	12,756,738
Butadiene: grade for rubber[2]	260,286,009	254,664,562
Butyl acetate: Normal (90%)	64,319,086	59,549,394
Butyl halides		105,321
n-Caproic acid	15,338	15,945
Cellulose derivatives:[3] Total		45,842,696
Cellulose acetate..	231,341,392	26,971,342
Other esters and and ethers		18,871,354
Chloroform:		
Technical	6,844,660	6,978,559
USP	1,833,921	1,910,251
Chloroparaffins	49,734,294	47,454,013
Cyclopropane	29,729	24,077
Diethyl malonate (Malonic ester)	481,954	
Ethyl acetate (85%).	103,600,441	90,165,382
Ethyl bromide	467,567	429,301
Ethylene (from ethyl alcohol)		175,822
Ethylene dichloride.	115,693,224	73,719,706
Ethylene glycol	186,834,068	
Ethyl ether (all grades)	65,847,038	64,407,397
Ethyl formate	281,550	430,805
Ethyl monochloroacetate	40,916	
Ethyl oxalate (Diethyl oxalate)	726,140	
Fatty acid amides..	232,178	227,280
Fatty acid esters, not included with plasticizers	5,057,548	4,146,295
Formic acid salts: Total	1,984,516	2,068,719
Sodium formate...	917,166	1,028,784
All other	1,067,350	1,039,935
Lactic acid:		
Edible (100%)	4,242,801	4,077,170
Technical (100%)..	3,242,221	2,505,161
Maleic acid and anhydride	8,024,481	
Methyl chloride (Chloromethane): Refined (Refrigerant grade)	11,451,086	9,495,026
Methylene chloride (all grades)	6,737,928	6,895,124
Methyl iodide	2,681	
Oxalic acid	17,149,798	15,305,243
Oxalic acid salts: Ammonium oxalate		74,159
Plasticizers: Total	49,724,215	46,666,710
n-Butyl stearate..	676,047	618,404
Dibutyl sebacate..	3,791,967	
Diethylene glycol mono-oleate	69,394	60,462
Diethylene glycol stearate	717,864	436,263
Glyceryl monostearate	288,659	163,976
Propylene glycol monostearate	150,574	
Triethyl phosphate	936,184	732,969
All other	43,093,526	44,654,666
Stearic acid salts: Total	11,377,991	11,838,659
Calcium stearate..	2,241,960	2,360,318
Zinc stearate	3,144,072	3,359,802
All other	5,991,959	6,118,539
Succinic acid and anhydride		24,009
Surface-active agents: Total	45,944,276	44,984,638
Sulphated and sulphonated oils, fats, and waxes and their salts:		
Sulphonated castor oil	1,421,008	1,580,338
All other	9,818,968	9,219,874
Sulphated and sulphonated esters and their salts..	1,567,524	1,497,996
Sulphated and sulphonated acids and salts:		
Sulphonated oleic	1,192,366	2,050,410
All other	2,144,425	2,090,825
Sulphonated petroleum compounds.	6,681,376	
Sulphated and sulphonated amides.	5,498,536	4,928,792
All other	17,620,073	23,007,408
Tetrachloroethylene (Perchloroethylene)	52,953,326	
Textile chemicals...	4,021,031	4,229,650
Thiourea	2,251,350	
All other	6,146,234,512	3,783,078,517

[1] Combined with "All other" of class to avoid disclosure of the operations of individual companies.

[2] Data shown for butadiene refer to butadiene produced from alcohol. Data on butadiene produced from petroleum are given in table 4.

[3] Data shown do not include cellulose nitrate or nitrocellulose among the cellulose derivatives.

Plastic Materials Output: 1943

Production and sales of synthetic plastic materials in 1943, as compiled by the Tariff Commission, follows:—

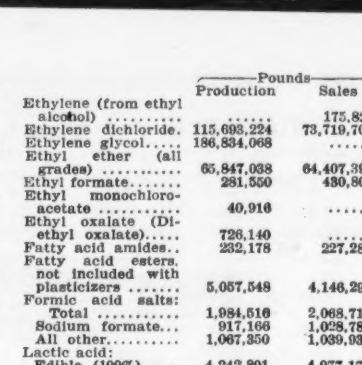
	Pounds (Net resin content)	
	Production	Sales
(A) Cyclic (coaltar):		
Total	380,667,000	337,800,000
Alkyd resins (Phthalic anhydride):		
Total[1]	154,385,000	124,992,000
For protective coatings	153,398,000	124,184,000
For textiles	514,000	[2]
For molding and casting	291,000	[2]
For miscellaneous uses...	182,000	[2]
Phenolic resins:		
Total	144,541,000	[2]
Phenol-formaldehyde: Total..	124,716,000	118,395,000
For molding...	61,424,000	60,371,000
For casting	2,838,000	2,845,000
For laminating	23,118,000	18,353,000
For protective coatings	15,519,000	15,273,000
For adhesives..	10,290,000	10,247,000
For miscellaneous uses...	11,527,000	11,306,000
Cresols or cresylic acid-formaldehyde	17,921,000	13,192,000
Other phenolic resins	1,904,000	[2]
Mixed phenolic resins: Total...	21,395,000	18,567,000
Phenol-cresol-aldehyde	10,322,000	8,405,000
Cresol-xylenol-aldehyde	1,164,000	695,000
Other mixed phenolic resins	9,909,000	9,467,000
Polystyrene	6,737,000	6,374,000
All other[3]	53,609,000	56,280,000
(B) Noncyclic (noncoaltar): Total..	272,665,000	229,767,000
Alkyd resins: Total	49,644,000	45,912,000
Abietic acid, abietic and maleic acids	11,789,000	12,263,000
Fumaric acid...	9,035,000	6,222,000
Maleic anhydride	24,803,000	23,420,000
Other alkyd resins	4,017,000	4,007,000
Nitrogen noncyclic resins:		
Urea-formaldehyde: Total..	53,859,000	51,733,000
For adhesives..	32,546,000	30,521,000
For protective coatings	4,857,000	4,559,000
For miscellaneous uses...	16,456,000	16,653,000
Alcohol polymerization resins[4]	522,000	415,000
Polyvinyl alcohol-aldehyde	14,435,000	12,349,000
All other	154,205,000	119,358,000

[1] Data for phthalic anhydride resin are for anhydride-alcohol-oil chemically combined.

[2] Included only in group total so as to avoid disclosure of the operations of individual companies.

[3] Cyclic resins derived from petroleum are included in "All other."

[4] Represents data for allyl alcohol and furfuryl alcohol polymerization resins.



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PAPER BAGS, $4.00 Per Ton Over Bulk
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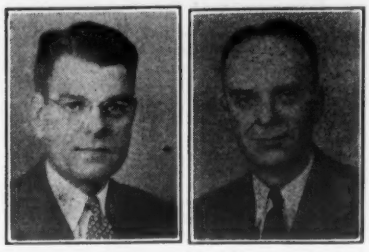
CHARCOAL CO.
Division of
THOMPSON - HAYWARD
CHEMICAL CO.
KANSAS CITY, MISSOURI

Kanning, Hartman Leave Dow for Arco Co.

Appointment of Dr. Eugene W. Kanning as director of research, and Dr. Robert J. Hartman as director of the industrial division, of the Arco



Dr. R. J. Hartman Dr. E. W. Kanning

Company, manufacturer of automotive, industrial and special infrared reflecting paints, Cleveland, has been announced by Howard E. Wise, president. Both have been associated with the Dow Chemical Company, Dr. Kanning as a research chemist in charge of new product development for textile and leather development work, Dr. Hartman as head of technical service and development work on paints, inks and rubbers. Kam N. Kathju continues as Arco's technical director.

Dr. Hartman and Dr. Kanning both hold bachelors', masters' and doctors' degrees from Indiana University, where they served on the chemical faculty together from 1929 until 1942, when they resigned from associate professorships to join Dow.

Witco Chemical Inaugurates Employee Retirement Plan

Adoption of an employee retirement plan, designed to provide retirement pensions at the age of sixty-five to supplement the benefits provided by the social security law, has been announced by Robert I. Wishnick, president of the Witco Chemical Company, New York. All employees of the company and its subsidiary, the Pioneer Asphalt Company, including those employed at all plants and offices, participate in the plan after they have completed five continuous years of service.

The entire cost of the plan is absorbed by the company. The retirement annuity is based on a percentage of current earnings each year. The pension rights that have accrued to employees who are now members of the armed forces remain in effect, and service in the armed forces is to be included in calculating the five-year eligibility requirements.

Air Reduction Appoints Henriques Sales Head

The Air Reduction Company, New York, has named H. F. Henriques general sales manager. J. J. Lincoln has been made director of sales services. C. M. Youngblood has been appointed assistant to the vice-president in charge of sales. They will have offices in New York. H. P. Etter has been named sales manager of the Pacific coast division with headquarters in San Francisco.

Spencer Kellogg Compiles Technical Data on Oils

Spencer Kellogg & Sons, Inc., Buffalo, N. Y., has issued a 7 x9 looseleaf booklet, "Oils for the Protective Coatings Industry." The booklet contains informative technical data on the various vegetable oils and the company's special oils, as well as containing a liquid yield chart, temperature conversion chart and a formula for adjusting acid values.

Alumina Sulphate to Be Made in Quebec

Aluminum Company of Canada, Ltd., has started construction of a new aluminum sulphate plant at Arvida, Que., to be completed early in 1945. Capacity will be better than 40,000 tons annually, the total Canadian requirements.

Pullman Buys Kellogg Co.

Pullman Inc. has acquired for cash the entire outstanding stock of the M. W. Kellogg Company, Jersey City, N. J., chemical engineers.

The Kellogg Company will be operated as a separately incorporated member of the Pullman group of companies, with the present staff of officers and employees. M. W. Kellogg has been elected a member of the board of directors of Pullman Inc.

GIVE A PINT OF BLOOD TODAY

Does your process call for a strong Polymerizing or Oxidizing Agent?

ACETYL PEROXIDE

may meet your requirements!

This product is shipped as a 30% solution in dimethyl phthalate.

It contains 4% active oxygen.

It is a colorless, crystal clear liquid, insensitive to shock, having a specific gravity of 1.18.

It is quickly and easily soluble in most common organic solvents and monomers.

Laboratory size samples available from

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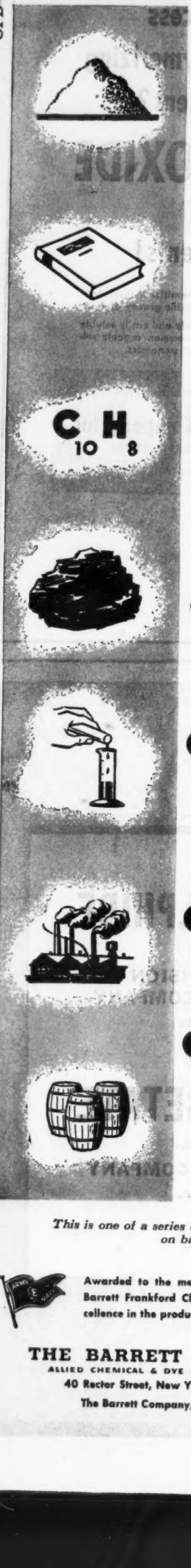
NAPHTHALENE



DEFINITION: A crystalline chemical compound of carbon and hydrogen found abundantly in coal-tar. It was early termed "tar camphor."

HISTORY: Naphthalene was discovered in coal-tar by Garden and Brande in 1819 and its chemical constitution determined by Michael Faraday in 1826. It was proposed for enriching water gas in 1862. Use for manufacture of naphthols for the synthetic dye industry commenced about 1873.

FORMULA: $C_{10}H_8$

SOURCES: Traces of naphthalene occur in certain vegetable products. Some naphthalene has been recovered from specially processed petroleum fractions, but the principal source of naphthalene has always been coal-tar.

CHARACTERISTICS: Pure naphthalene is produced as white crystal flakes or chips which melt at 79.4° C or above. It boils at 218° C. It vaporizes slowly at room temperature. It has a clean penetrating odor; is soluble in benzene, hot alcohol and ether, but is practically insoluble in water. It burns with a smoky flame.

USES: Serves as a moth preventive and insecticide for household, institutional and agricultural use; as a raw material for phthalic anhydride, dyes, waxes, tanning agents, pharmaceuticals and plasticizers.

GRADES: Industrial: 74° and 78° crude in tank cars and barrels: 79.4° refined in tank cars and as chipped, crushed or flake in barrels and multi-walled bags. Household: flake and ball in 16-, 12-, 10-, 8-ounce packages; flake and ball, powdered or rice form, in barrels, bags and 50-pound bulk cases.

NOTE: Deliveries today are restricted by the primary requirements of naphthalene for war uses.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

Coaltar Chemicals

No appreciable improvement could be noted in the supply position of basic coaltar chemicals last week. Backed by a heavy military demand and an expanding call for civilian use, production was channeled out as rapidly as available manpower would allow. Recent allocations are reported to have placed the benzol market in better balance but there was no easement in demand for that material, toluol or xylol. The call for naphthalene continued unusually active, pressure emanating from the producers of phthalic anhydride who are endeavoring to keep the manufacturers of synthetic resins supplied with essential basic material. Additional output of both naphthalene and phthalic anhydride are expected in the near future with a possibility of production of the latter swinging into action first and increasing the pinch for naphthalene. Trade rumors were again current of a cutback in the output of phenol growing out of the military call for benzol. Production of dyestuffs and intermediates was regulated by the availability of basic products and the ability to secure and hold sufficient manpower.

Steel operations for the week beginning January 8 were scheduled at 93 percent of ingot capacity, compared with 95.8 percent for the previous week, according to American Iron and Steel Institute. A month ago the indicated rate was 96.9 percent. The current schedule is equivalent to a production of 1,677,500 net tons of ingots and castings for the week, compared with 1,728,100 tons for the preceding week, and 1,714,300 tons for the corresponding week in 1944.

Basic Products

Benzol—Reported tight but not to the same degree as in toluol and xylol. WPB allocations have given the market a better balanced condition and while demand is far in excess of supply, the stringency seemed to be less pronounced than during the late months of last year. Demand was reported exceedingly heavy for military and civilian requirements.

Coaltar—Market conditions did not reveal any unusual change last week. The major movement was confined to specific uses for essential requirements with the understanding that some material was shipped for fuel to prevent hardship in isolated fuel areas.

Creosote Oil—Wood processors continued to take this material in substantial quantities. Consumers are depending upon domestic production which has been stepped up to well over 3,000,000 gallons a month.

Cresol and Cresylic Acid—Between domestic production and importations, chemical and plastic manufacturers as well as other consumers seem to be getting a fair percentage of the requirements approved by WPB. The continued absence of surplus material has kept the market in a tight position.

Naphthalene—No perceptible easement in the supply position could be noted. Allocations for essential requirements are taking care of production while the call for use in the manufacture of phthalic anhydride remained at an exceedingly high level. The addition of more producing facilities may tend to ease the supply position to some extent but it is possible that a new production plant for phthalic anhydride may swing into activity before any increased naphthalene output is made available.

Toluol—Demand for military use was reported at peak levels and without sign of nearby easement. This background has forced limitations on the civilian supply and held the general market in a definitely tight position.

Xylol—Not unlike the conditions prevailing in toluol. Essential military requirements are heavy and the major part of production is aiding the war effort. High priority orders are getting their portion of remaining stocks. Supply situation reported definitely tight.

Chicago, Jan. 12.—The coaltar products market has held firm, with first-of-the-year demand making a good comparison with the call noted late last year. Inquiry has indicated that the buyers are in the market for a fairly substantial quantity of various grades of material. Benzol was firm. Ruling prices were: Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

Hydrogenated Solvents

Cyclohexanol, cyclohexanone and other affiliated solvents were reported in moderate supply for prompt shipment. Stocks have not attained anything like excessive dimensions but have been sufficient to meet the current extent of consuming demand. It was admitted that the development of any unusual buying interest might change the situation rapidly. There were no price changes to record.

Coaltar Acids

Anthranilic—Supply position reported tight with demand active. Production has found ready distribution in the manufacture of dyes, intermediates and synthetic resins.

Broenner's—Market position reported firm. Production necessarily limited by stringency in basic materials and scarcity of manpower but essential wants of regular consumers have been satisfied.

Cleve's—Reported finding a steady outlet through regular consuming channels. Limited supplies have kept the market firm without influencing any price changes.

Fumaric—While a fair miscellaneous inquiry was reported for this acid, the most pronounced demand seemed to be for use in the manufacture of synthetic resins and plastics. The market remained bare of surplus material.

Maleic—Manufacturers of synthetic resins continued to account for a large part of the present movement of material. There was no suggestion of easement in the supply position.

Tobias—Production has found a steady outlet for the manufacture of dyestuffs. The market remained firm at former price levels.

Other Intermediates

Anilin—Steady shipments were reported to manufacturers of chemicals used in the production of synthetic rubber. There was also a fair inquiry from makers of various dyes and intermediates, the combined demand keeping well in excess of the available supply limit.

Benzidin Base—Production restricted through difficulty in securing basic material and insufficient manpower. Market position reported tight.

Dimethylanilin—No surplus material reported although demand did not seem quite as pronounced as in recent weeks. Position described as firm at former price levels.

Dinitrotoluene — Definitely tight under the stringency in basic material. Limited production passing readily into regular consuming channels.

Maleic Anhydride—Demand continued exceedingly heavy for use in the manufacture of synthetic resins. Considerable small inquiries reported for rubber, tanning and wetting agents. Supply situation tight.

Phthalic Anhydride—Heavy miscellaneous inquiries continued to reach the market. Probably the most pronounced demand emanated from producers of synthetic resins. Esters, rubber and dyes were also well represented. Market supply position definitely tight with some additional

For Current prices see alphabetical listing beginning on page 9.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Jan. 6 indicate the following output of by-products from that source:—

Ammonia sulphate	lbs.	38,625,059
Benzol	gals.	3,789,167
Coaltar	gals.	14,789,976
Creosote oil	gals.	782,280
Naphthalene	lbs.	1,650,121
Phenol	lbs.	220,016
Toluol	gals.	757,833
Xylol	gals.	171,124

output expected shortly which may ease tension to a certain extent.

Coaltar Colors

Production was reported as heavy as materials and manpower would permit. Demand gave no sign of relaxation with dye and bleaching plants of the textile industry maintaining about the same degree of activity as noted last month. The combined movement was sufficient to keep inventories generally low. A fair routine movement featured the certified varieties.

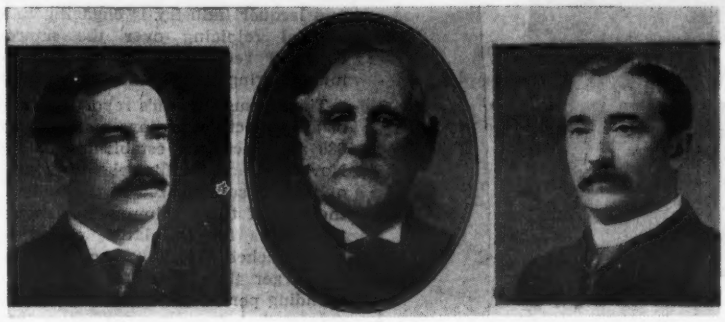
Hercules Powder Forms Company in England

Hercules Powder Company announced it has created a subsidiary, Hercules Powder Company, Ltd., for the distribution of technical information on its chemical products in Great Britain and Eire. The company, which will have offices at 140 Park Lane, London, will be under the direction of Cornelius H. B. Rutteman, managing director.

Directors are Thomas H. Cooke, manager of Holden Vale Manufacturing Company, Haslingden, Lancashire, a partly owned subsidiary of Hercules; R. H. Oxley, manager of the London branch of the Bankers Trust Company of New York; Kenneth D. Cole, a member of the firm of Linklaters & Paines, solicitors; and Cornelius H. B. Rutteman. Manufacturing operations of the Hercules Paper Makers Chemical Department will be continued at Erith, England.

Sharp & Dohme Marking One-Hundredth Year

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, is marking its one-hundredth anniversary. The company was founded in 1845 by Alpheus Phineas Sharp, first graduate of the Maryland College of Pharmacy, who then established at Pratt and Howard streets in Baltimore an apothecary shop which was destined to become the pharmaceutical and biological laboratories of the Sharp & Dohme of today.



Charles Dohme — Alpheus P. Sharp — Louis Dohme

Besides carrying lines of perfumes, sponges, combs, chemical glassware and other items handled by the drugstore of a century ago, Mr. Sharp filled prescriptions, and his prowess and efficiency in this direction soon won him the respect and confidence of medical men and his brother pharmacists.

The pharmacy, thus operated, increased the volume of its business and prospered. In 1853, Louis Dohme became an apprentice there and, after studying pharmacy at the Maryland College and graduating therefrom under the tutelage of Dr. Louis Steiner, was made senior clerk and, in 1860, a partner; whereupon the firm name was changed to Sharp & Dohme. Meanwhile, Charles Dohme, a younger brother of Louis, entered into the firm's employ in 1863 and, later, Charles' son, Dr. Alfred R. L. Dohme, became head of the company. He still serves as a director.

In 1865, the building next to the Sharp & Dohme pharmacy was purchased and the manufacture of an extensive line of pharmaceuticals was begun.

The company's operations were expanded steadily. Branches were established in New York in 1885, in Chicago in 1888, New Orleans in 1890, Atlanta in 1893, San Francisco in 1898 and in other cities thereafter. In 1929, Sharp & Dohme acquired the Mulford Biological Laboratories, originally the H. K. Mulford Company, which had also had its origin in one of the oldest drugstores in Philadelphia.

Metal & Thermit Elects F.J. O'Brien President

The Metal & Thermit Corporation, New York, has elected F. H. Hirschland as chairman of the board and Frank J. O'Brien as president. John B. Tinnon and Walton S. Smith continue as vice-presidents. E. Becher, first vice-president, retired. Mr. Hirschland has been president of the corporation since 1922 and Mr. O'Brien was for many years and until recently vice-president of Continental Can Company, New York.

GIVE A PINT OF BLOOD TODAY TO THE AMERICAN RED CROSS

Washington Talks It Over

—*Continued from page 5*

of an order directed to "occasional users of rationed food."

"Occasional users of rationed food," when translated as all OPA orders must be, means people who now and then serve a church supper, barbecue feast, or some such similar function. Under the order, these people have to make application thirty days before the date of the meal and specify how many persons are going to attend. And they must account for any unused food within ten days after the last person has been served.

The rub comes in the fact that nobody ever knows how many are going to attend these functions and no amount of planning is going to prevent the latecomer from getting a superfluity of hot biscuits and cole slaw, and something less than a minimum of creamed chicken. Mr. Phillips suggests there may be something more important for OPA to regulate than church suppers, and he advises it to forget the whole thing.

Chemical Salesmen To Install Officers

The Salesmen's Association of the American Chemical Industry will hold its annual installation dinner in the Midston house, Thirty-eighth street and Madison avenue, January 17. Dinner will be served at 6:30 p.m., with attendance restricted to members only.

Charles F. Alexander, of L. Sonneborn Sons, Inc., will be installed as president, succeeding Frank G. Fanning, of N. J. Malmstrom & Co.; vice-president, James McInnes of Commercial Solvents Company; treasurer, James E. Ferris, of the Niagara Alkali Company, and secretary, J. Robert Fisher, of the Fisher Chemical Company. Elected to the executive committee are Stephen Urban, of E. R. Squibb & Sons, and Al Loeffler, of the Monsanto Chemical Company.

Koppers offers three closely-cut tar base fractions distilling above Pyridine and below 160°C.—

1. Refined alpha-Picoline distilling completely within 2°C.
2. Refined 2,4 Lutidine distilling 95% (2-97%) within 2°C.
3. Refined mixed Picolines distilling 90% within 3°C.

3 Closely-cut Tar Base Fractions

Properties (Pure Compounds)

	Alpha-Picoline	*2,4 Lutidine*
Molecular Weight	93.12	107.15
Freezing Point	—69.9°C.	below —60°C.
Boiling Point	128.8°C.	157.1°C.
Specific Gravities at 25°/4°C.	0.940	0.927
State	Liquid	Liquid

3° Refined mixed Picolines consist of approximately 1/3 each of beta-Picoline, gamma-Picoline and 2,6 Lutidine; true boiling points 143.8°C., 143.1°C. and 143°C. respectively.

SOLUBILITIES

Alpha-Picoline, beta-Picoline, gamma-Picoline and 2,6 Lutidine are very soluble in water and completely miscible with alcohol and ethyl ether. Refined 2,4 Lutidine is soluble to the extent of about 20% in water and very soluble in most organic solvents such as alcohols, hydrocarbons, ketones and ethers.

KOPPERS
Tar and Chemical Division
Koppers Company, Inc.
Pittsburgh 19, Pa.

. . . at your service always

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ANTI-SKINNING AGENT

If your present anti-skinning agent doesn't have all of these advantages it will pay you to write us for further information and a sample of Nevillac 10° (formerly P. H. O.) Anti-skinning Agent.

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RECLAIMING, PLASTICIZING, NEUTRAL, CREOSOTE, AND SHINGLE STAIN OILS

A-16

Protective Coatings Materials

Despite the dark clouds of uncertainty regarding the availability of sufficient raw materials and labor to keep its operations going at full capacity this year, the paint, varnish and lacquer industry is engaging in a general rejoicing over the unprecedented record of its accomplishments during the past twelve months.

The Census Bureau's report on sales of all protective coatings materials by 680 manufacturing establishments for November and the first eleven months of 1944, as summarized in the table at the foot of these columns, has shown total sales for the latter period to have reached $574,201,266, or $46,652,709 larger than those for the corresponding period of 1943 and $5,680,267 greater than those for the entire 1943 twelvemonth. Hence, it has become obvious that, even if the sales for December, yet to be complied, have reached only the level of $41,000,000 registered in the concluding month of 1943, the aggregate sales for the entire year 1944 are sure to have run upwards of $615,000,000 and to have outstripped that erstwhile banner year's record by nearly $46,000,000.

Simultaneously with the paint trade's general rejoicing over the magnificent showing that it has made in its record-breaking sales for the past twelvemonth, representatives of the lead smelting and refining industry and lead pigment makers have been endeavoring to obtain from WPB some modifications of its recently ordered 40 percent cut in lead allocations to the paint trade in favor of pigments containing lead.

Metallic Lead and Zinc

Intensified efforts are being made with the WPB's Chemicals Bureau's special lead committee by the advisory committee representing the lead smelting and refining interests and lead pigment makers to obtain some easing of order M-38, which ostensibly provides for a cut of 40 percent in the allowances of lead supplies to manufacturers of lead and chrome pigments and other lead chemical users. In some quarters, it is hoped that the negotiations toward that end may result in lightening the impact of the blow which the initially proposed 60 percent allocation of lead for the first quarter of this year would strike at the red lead manufacturers as well as at the makers of white and blue lead, leaded zinc oxides and chrome pigments. Inasmuch as red lead is essential as a coating for metals, supplies of this commodity may escape the full force of this otherwise drastic cut.

A WPB directive, issued pursuant to general preference order M-48 at the close of last week, makes provision for lead users unable to obtain lead from the regular sources of supply and wishing to procure it from the Metals Reserve Company to make applications by letter to WPB for lead to be delivered during January and on form WPB-4037 for that to be delivered in February but on form WPB-95 for that to be delivered after February.

Prices for pig lead have continued unaltered for the week January 5-12 at 6.35c. per pound in St. Louis and 6.50 in New York.

The sharp upward revision in military programs toward the close of last year has forced such a notable increase in shipments of zinc for the concluding month of 1944 as to bring about a reduction in stocks of this metal at the end of the twelvemonth, despite a 3,000-ton increase in production, accompanied by the first substantial increase in unfilled orders recorded in a year, according to the American Zinc Institute.

Quotations for zinc slabs have remained unchanged for the week January 5-12 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Market Trends

Prices Advanced

Mercury oxide, red and yellow, 30c. per lb.
Mica, wetground, biotite, ¼c. per lb.

Prices Reduced

Dibutyl phthalate, in tankcars, 0.6c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Pigments

Cuprous Oxide—In recognition of the difficulties now in the way of procuring adequate supplies of this material entirely free from zinc oxide, the Navy Department, which is purchasing the entire output of both of the recognized types of this material required for antifouling shipbottom paints, has modified its specifications, originally issued to the industry November 15, in such a way as to change the old specifications in effect since June, 1942 in two major respects (1) by eliminating the maximum reducing power of the cuprous oxide which heretofore was 100 percent for the grade I material, formerly designated as Grade A, and 103 percent for the grade II material, heretofore designated as grade B, and (2) by making zinc oxide up to a maximum of 10 percent an acceptable component of the grade II materials. When adequate supplies of grade I become available, the Navy Department contemplates reducing its purchases of grade II.

Mercury Oxides—Producers of both red and yellow mercury oxides have marked up their prices 30c. per pound more to a basis of $2.60-$2.62 for the former and $2.43-$2.45 for the latter, in reflection of the latest sharp advance in the cost of mercury.

Fillers and Extenders

Bentonite—Desiccant type bentonite, an aluminum silicate clay, treated or activated and pelleted so as to possess marked desiccant properties, has been placed under allocation by WPB as a schedule A material under general allocation order M-300. Allocations will be on a monthly basis, with the initial period February 1. The small order exemption is 800 pounds per person per month.

Mica—Availing themselves of the slightly higher price levels afforded by the OPA ceilings, established some time ago, producers of wetground mica have marked up their prices for the 100-mesh biotite type to the extent of a quarter cent per pound, making their revised quotations for this grade 4 cents in carload lots and 4½ cents in less than carlots.

Dry and Chemical Colors

Carbon Blacks—WPB has circularized manufacturers of synthetic rubber tires with further instructions on qualifications required of them to procure the so-called rubber types of carbon black and furnace black, as provided for by the terms of schedule 32 of its order M-300. This latest action has been taken in an effort on the part of that bureau to exercise closer control over allocations of these blacks, in view of the hugely mounting requirements for use in heavy duty tire production. Beginning with the users' requests for February allo-

Paint, Varnish, Lacquer Sales: November

The value of paint, varnish, lacquer and fillers sold in November, 1944, as reported by 680 establishments to the Bureau of Census, was $48,020,412. Details of sales reported by these establishments, and comparable data for 1943, follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1944—Nov.	$48,020,412	$21,809,700	$21,372,396	$16,041,278	$5,331,120	$4,778,314
Totals, 11 mos.	574,201,266	274,539,020	242,741,889	183,009,691	60,732,198	56,920,357
1943—Nov.	46,968,115	20,770,818	21,825,086	16,191,851	5,633,235	4,372,211
Totals, 11 mos.	527,548,557	248,660,084	228,350,412	170,728,066	57,622,346	50,538,061

For Current prices see alphabetical listing beginning on page 9.

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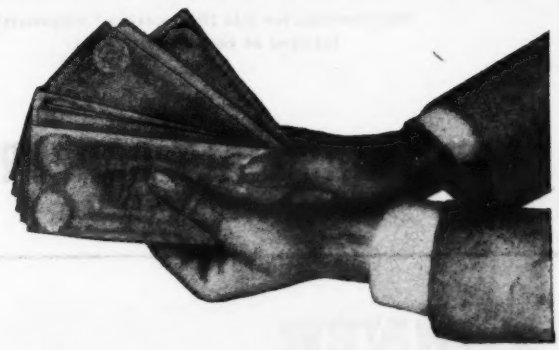

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cations, the enduse breakdown must be given for the various carbon blacks for which allocation is made and the war and civilian code numbers designated opposite the enduse classifications in paragraph (e) of the order must be stated, showing the quantities of carbon black required for each such code number designation.

Plans for increasing production of channel blacks, by 175,000,000 pounds a year, or more than 40 percent above the present output, have been announced by WPB. That bureau has pointed out, however, that no "substantial increase will be possible until the latter part of this year or possibly early in 1946." Meanwhile, in view of the now threatened exhaustion of channel black inventories, many more users of these blacks may have to change to other types of carbon black, notably furnace blacks.

Driers and Flatteners

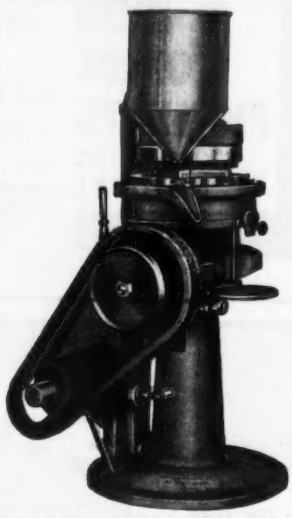
Tallates — Undiminished buying interest continues to be shown in these driers, whose purchasing has been enormously heightened by denial of allocations of naphthenates to virtually all civilian users. Some manufacturers find their capacity spoken for well in advance, but a few are still in a position to book additional business.

Stearates—The rush to buy stearates of the zinc, aluminum, calcium, barium, magnesium and lithium types, in the order named, continues at unabated pace, with many of the producers unable to take on additional business except for old customers.

Lacquer Materials

Cellulose Acetate — Continues in brisk demand with prices well maintained. FEA has announced that, effective immediately, cellulose and cellulose acetate molding compositions and molding powder, plasticized, including injection molding powder, black, red and white butyrate plasticized, may now be exported under general licenses to group K destinations, although hitherto allowed to be exported only under individual licenses.

Dibutyl Phthalate — Reflecting a slight easing of the cost of butanol, two of the leading manufacturers of dibutyl phthalate have lowered their prices for the January 10-February 9 period to the extent of six-tenths of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Plastic, Coldwater Paint, Calcimine Sales: Nov.

Sales of plastic and coldwater paints and calcimines, as reported by sixty manufacturers to the Bureau of Census for November, 1944, compared with the totals for the corresponding month of 1943:—

Plastic Paints

	Pounds	Value
*Total	526,865	$37,155

* Includes paste and dry powder plastic paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement-bound	1,002,333	$78,282
casein-bound	189,937	12,873
Interior, casein-bound, paste or semi-paste form	*251,581	315,693
dry-powder form	337,406	28,540
glue-bound	178,061	5,428

* Gallons.

Calcimines

	Pounds	Value
Hot-water	598,285	$26,659
Cold-water	1,089,491	56,548

Sales of these products for November, 1944, compared with those for October, 1943, were as follows:—

	1944	1943
Plastic paints.....lbs.	526,865	391,442
value.	$37,249	$27,693
Coldwater paints.value.	$440,816	$524,481
Calcimines .....lbs.	1,667,776	1,785,652
value.	$83,207	$84,140

a cent per pound, making their revised quotations in tankcars 19.3 cents and 20.3 cents per pound, respectively. The other producers of this material are continuing to quote their previous period figures.

Naval Stores

Rosin—Pending the establishment by the Office of Price Administration of uniform ceiling prices for producers and distributors in any and all locations within the naval stores producing territory of the South and Southwest, trading in gum rosin on the Savannah Exchange at the OPA ceiling prices applicable to exchange operations have continued to reach only ebbtide proportions while private transactions in this commodity off the exchange at the individual sellers' highs of the January-June, 1944, period have likewise been of meager size and aggregate within the past week. Yet the demand, which has included several urgent requests for American gum rosin for export as well as an increasingly pressing domestic inquiry, has grown to huge proportions and, for the most part, is still going unsatisfied. Incidentally, CCC parity prices for the various grades of gum rosin for the December 29-January 30 period have remained the same as those for the November 30-December 29 period.

Savannah, Jan. 12.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted Mon.	Tues.	Wed.	Thurs.	Fri.
B	$5.05	$5.05	$5.05	$5.05	$5.05
D	5.12	5.12	5.12	5.12	5.12
E	5.65	5.65	5.65	5.65	5.65
F	5.75	5.75	5.75	5.75	5.75
G	5.79	5.79	5.79	5.79	5.79
H	5.81	5.81	5.81	5.81	5.81
I	5.81	5.81	5.81	5.81	5.81
K	5.85	5.85	5.85	5.85	5.85
M	5.87	5.87	5.87	5.87	5.87
N	6.03	6.03	6.03	6.03	6.03
WG	6.28	6.28	6.28	6.28	6.28
WW	6.55	6.55	6.55	6.55	6.55
X	6.55	6.55	6.55	6.55	6.55
	Drums—				
Sales	12	...	159	...	130
Receipts	122	67	105	59	59
Shipments	393	500	4,000	...	400
Stocks	13,386	12,953	12,658	12,717	12,376

Turpentine—With the demand from Canadian consumers greatly expanded through a recent favorable adjustment of wholesale and retail dealers' ceiling prices by the Wartime Prices and Trade Board of Canada, the export market for gum turpentine outside the Savannah Exchange as well as on that board has manifested greater activity within the past week. And there has been no diminution of the domestic call. Additional drafts have been made on CCC holdings, as the current supply has proved inadequate for all requirements. The present crop, which is now in its last quarter, seems likely to be the smallest on record—presumably not more than half of an average production. And, in view of the lack of sufficient manpower for gathering the gum on the farms and processing it in the Southern plants, the new crop is also expected to fall far short of known needs, despite the Department of Agriculture's urgent request for a 40 percent increase in the yield in 1945 and the industry's recently avowed desire to cooperate to the fullest extent.

Savannah, Jan. 12.—Following is a record of the market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand
Monday	..	...	13	173	24,096
Tuesday	79	...	20	8	24,117
Wednesday	79	1,050	3	97	24,023
Thursday	79	...	14	102	23,935
Friday	79	1,900	190	56	24,069

Synthetic Resins

By the issuance of an amendment to maximum price regulation 406, effective January 13, OPA has sought to tighten control over the pricing of synthetic resins and plastic materials and synthetic rubber not marketed during the GMPR or base price period of March, 1942, covering these commodities. This OPA order, thus amended, states that prices reported, proposed or established for items not sold during that period may be reviewed, revised or revoked by OPA at any time. Previously, OPA's right to revise such prices during the period 20 to 120 days after filing or at any time later than six months after filing, had not been clarified.

Urea and Melamine Resins—Besides reducing the mail-order exemption for urea and melamine aldehyde resins from 2,000 pounds to 550 pounds, as reported in the January 8 issue of OPD, amendments made by WPB January 6 to schedule 34 of general allocation order M-300 require that, in the case of orders for these resins for protective coating purposes, the enduse must be stated specifically if the requested resins contain phthalic alkyd resins, but the enduse must be stated in terms of the enduse groups of direction 2 to order M-300, which provides ten baskets or groups of enduses for these materials, if the requested resins do not contain phthalic alkyd resins.

Varnish Gums

Copal—Despite recent arrivals, most of which have gone immediately into consumption on outstanding orders, local supplies of this natural resin continue very small, although expected to be replenished to some extent within the near future by additional arrivals of cargoes under the remaining 1944 licenses and thereafter under the licenses covering 1,000 tons allocated for the first quarter of this year.

Shellac—In the face of a keen domestic and export demand for all kinds of shellac, American importers and the bleaching and cutting trades continue hampered in their operations by difficulties in procuring sufficient supplies of seedlac and T. N. from the Defense Supplies Corporation or on new private contracts for importations of these grades from India as well as by inadequate equipment and labor in the bleacheries and what would be an insufficient allowance of denatured alcohol, if the output of the bleacheries were reaching proportions that would permit of a sizable turnout of white and orange cut shellacs.

Glues and Binders

Casein—An additional arrival of casein from Argentina on a ship of that country's registry, amounting to 21,671 bags, weighing approximately 1,183¼ tons, has been recorded, without causing any noteworthy change in the supply situation in the United States.

Glues—With the war production requirements causing a heavy drain upon supplies of both hide and processed bone glues, the new allocations made to civilian users by WPB for the first quarter of this year are showing curtailments of approximately 20 percent in the aggregate.

Conclusive Evidence

Management faces grave responsibilities in the postwar era. Certainly, one of them is the necessity for a maximum degree of efficiency and economy in manufacture. Here is where the selection of the best sources of supply for the materials used in production is of major importance.

In order to gauge properly the value of the St. Joseph Lead Company as a source of supply for its justly famous, lead-free zinc oxides, the following procedure is as simple as it is conclusive: Ask anyone of the many manufacturers in the rubber, paint and allied industries who use St. Joe Zinc Oxides — or any score of them — what they think of this Company, and they will tell you that the quality of the products and service we give them justifies the orders they give us.

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Oils, Fats, and Waxes

Tight supply conditions continued to restrict the volume of business in oils and fats during the week. Edible oils were in good demand and moving steadily on WFA allocations. Interest in paint oils has broadened owing to the low supply of linseed oil. The acute situation in linseed oil will be discussed and plans formulated for an equitable distribution of oil for civilian and government needs at a meeting between Linseed Crushers Advisory Committee and officials of WFA in Washington on January 15.

Oiticica oil was firmer and prices were further advanced in sympathy with the higher Brazilian market. The tightness in the supply of new crop oil at producing centers has resulted in the reduction in offerings for shipment during the first quarter of the year. Higher wages for labor and the advanced price for seed held by growers, it is claimed, will increase the cost of the production of new crop oil.

Output of oils and fats from domestic materials in the crop year of 1943-44 totaled 11,200,000,000 pounds, compared with an average of 8,200,000,000 pounds in 1937-41, according to the Bureau of Agricultural Economics. This may be the peak level for several years. Production in 1944-45 probably will be less than 10,000,000,000 pounds. The principal decline will be in lard and grease output, reflecting an estimated 29 percent reduction in the 1944 pig crop. Tentative goals for 1945 call for about the same acreage of cotton and soybeans as in 1944, a slight decrease in peanut acreage and an increase of about 50 percent in the area planted to flaxseed. Payments of $30,000,000 to farmers recently were authorized by Congress to provide incentives for expansion in flaxseed acreage and production in 1945.

Cottonseed Oil

Although trading in cottonseed oil futures was inactive, the market continued firm. Offerings were scarce and prices for all positions were held at ceilings except the October and December delivery.

Producers of crude oil were sold well ahead, resulting in a scarcity of offerings. Demand continued brisk, but trading was limited to occasional tankcars at the ceiling.

War Food Administration reported the purchase of one tankcar of cottonseed salad oil at 13.58 cents per pound, f.o.b. Baltimore, on January 1. Purchases of 1,213,650 pounds of shortening, type 1, at 16c. to 17.25c. per pound, depending upon package and quantity, was reported by WFA on December 22.

Consumption of cottonseed oil during December was placed at 237,488 barrels, comparing with 272,388 barrels in November and 246,175 barrels, December, 1943. Visible supply of oil and seed was estimated at 2,237,000 barrels, against 1,957,400 barrels December a year ago.

Market Trends

Prices Advanced

Oiticica oil, ½c. to 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	192.9	195.3

Bleachable oil prices follow:—

	Cents per pound in tanks High.	Low.	Close.
March	....	....	14.10 bid
May	....	....	14.31 bid
July	....	....	14.00-14.31
September	....	....	14.10 bid
October	....	....	13.75-13.90
December	....	....	13.50-13.90

Total sales, none.

Cash, 14.31c. nom.

Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12c. (all ceiling prices).

Linseed Oil

There has been no material improvement in the tight oil supply situation. Demand continued active, with crushers out of the market and limiting activities to the delivery of oil on former contracts, and to sales of small lots ranging up to 5 drums to regular customers. Prices were firm and unchanged.

Holders of government orders requiring linseed oil have been unable to secure sufficient supplies to cover requirements.

Members of the Linseed Crushers Advisory Committee will meet with officials of WFA in Washington, January 15, to discuss plans for an equitable distribution of linseed oil for government and civilian use.

Production of linseed oil amounted to 54,273,000 pounds during November against 63,370,000 pounds in October; consumption totaled 47,585,000 pounds against 49,431,000 pounds, and factory and warehouse stocks on November 30 were 274,832,000 pounds against 303,378,000 pounds the previous month, according to the Bureau of Census.

Minneapolis, Jan. 10—The acute flax situation has caused further tightening of the oil market. Crushers were making no commitments for the immediate future and continued to turn down the most urgent oil demand that has appeared in years. Many buyers, oversold on an early end of the war, maintained stocks at relatively low levels all through the Fall months and are only now trying to cover their requirements.

Shipments of linseed oil, in pounds, were as follows:—

	1945-44	1944-43
This week	4,740,000	7,560,000
Since Sept. 1	96,440,000	110,880,000

Flaxseed—With the bulk of flaxseed crop sold up, offerings were limited to occasional carlots.

Minneapolis, Jan. 10—Production of flaxseed during 1945 has the best outlook at the present writing of any time since the last crop was harvested. The appropriation of $30,000,000 for stimulation of flax production made by the government has passed into the hands of the Triple-A and a plan is now being worked out. It was reported that a $3.00 base payment would be made on acreage and a 40c. a bushel premium paid for flax marketed. No official release on the

Flaxseed Production: 1944

The annual estimate of the 1944 production of flaxseed, as summarized by the Crop Reporting Board of the United States Department of Agriculture, follows:—

State	Acreage harvested—Average 1933-42	1943	1944	Yield per acre—Bushels Average 1933-42	1943	1944	Production,[1] bushels—Average 1933-42	1943	1944
Illinois	.....	11,000	4,000	..	12.0	10.0	.....	132,000	40,000
Michigan	8,000	4,000	4,000	8.6	7.5	10.5	773,000	30,000	42,000
Wisconsin	7,000	12,000	7,000	10.9	11.0	12.5	778,000	132,000	88,000
Minnesota	943,000	1,627,000	846,000	8.7	9.5	7.7	8,642,000	15,456,000	6,514,000
Iowa	95,000	325,000	101,000	10.2	12.0	6.5	1,153,000	3,900,000	656,000
Missouri	6,000	19,000	11,000	5.3	5.0	5.5	35,000	95,000	60,000
North Dakota	546,000	2,007,000	923,000	5.0	7.5	8.3	3,078,000	15,052,000	7,661,000
South Dakota	142,000	556,000	311,000	6.2	8.5	9.0	1,109,000	4,726,000	2,799,000
Nebraska	2,000	10,000	1,000	[2]7.2	8.0	8.0	18,000	80,000	8,000
Kansas	94,000	293,000	113,000	6.6	7.0	4.0	673,000	2,051,000	452,000
Oklahoma	[2]10,000	54,000	54,000	[2]8.0	6.5	4.0	[2]72,000	351,000	216,000
Texas	[2]20,000	34,000	34,000	[2]9.0	8.0	8.0	[2]173,000	272,000	272,000
Montana	88,000	568,000	199,000	4.8	7.7	7.3	524,000	4,374,000	1,453,000
Idaho	[2]4,000	2,000	.....	[2]8.9	9.5	..	[2]35,000	19,000	.....
Wyoming	.....	3,000	1,000	..	4.5	4.5	.....	14,000	4,000
Arizona	[2]12,000	22,000	19,000	[2]21.9	22.0	24.0	[2]273,000	484,000	456,000
Washington	[2]4,000	1,000	.....	[2]11.0	12.0	..	[2]38,000	12,000	.....
Oregon	[2]3,000	6,000	2,000	[2]11.0	13.0	9.0	[2]31,000	78,000	18,000
California	[2]90,000	293,000	164,000	[2]17.5	16.0	17.0	[2]1,565,000	4,688,000	2,788,000
United States	248,000	4,847,000	2,794,000	7.7	8.9	8.4	17,180,000	51,946,000	23,527,000

[1] Estimates do not include flaxseed harvested from flax grown for fiber in Oregon—140,000 bushels in 1943 and 88,000 bushels in 1944.

[2] Short-time average.

For Current prices see alphabetical listing beginning on page 9.

plan has been made, but it was hoped that such a release would come right after Jan. 15. Crushers are opposed to the 40c. premium plan, pointing out that there is nothing to deter a grower from holding 1944 flax production and marketing it during the 1945 crop run, pocketing the premium and forestalling use of the seed until next season.

Crop movement in bushels follows:—

	Receipts 1943-44	Receipts 1944-43	Shipments 1943-44	Shipments 1944-43
This week	40,500	136,500	24,000	139,000
Since Sept. 1	9,676,500	16,167,000	1,294,000	1,678,500

Flaxseed markets at Minneapolis and Duluth during the week were unchanged at $3.10 (ceiling) per bushel for spot and forward deliveries.

Buenos Aires, Jan. 12—Flaxseed shipments were to Continent 118,000 bushels and to other points 8,000 bushels during the week. Visible supply of seed was placed at 3,937,000 bushels.

Argentine flaxseed was quoted at $2.26⅛ per bushel, nominal.

Hull, Jan. 12—Bombay, £33, January; Calcutta, £31, January; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated — Users continued to show an active inquiry for nearby delivery. Withdrawals against contracts were in good request. Prices were firm and unchanged.

Oiticica—With old crop oil cleaned up and offerings of new crop scarce and held at higher levels, prices for spot and nearby arrival were advanced 1c. per pound during the week. Advices from Brazil stated the production of new crop oil has been delayed because farmers were holding seed for higher prices. Demand locally was moderate. Spot stocks were

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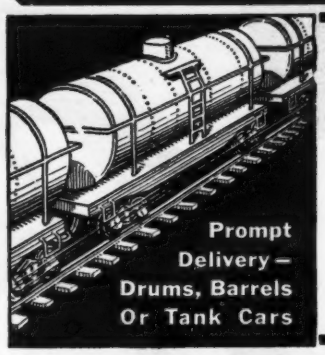
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quoted at 20½c. per pound in drums; nearby delivery at 20c. and for first quarter of the year shipment at 19½c.

Olive—Inquiry for edible oil was fairly active, with offerings for shipment from Spain limited. Oil in 1-gallon tins was quoted at $136 per 100 kilos ex-dock. Supplies of imported and domestic oils were not available on the spot. Olive oil crop in Turkey was satisfactory, according to advices received by the Department of Agriculture.

Peanut—Crushing of peanut oil in the Memphis area gained impetus on the receipt of a bargeload totaling about 8,000 tons of shelled peanuts from South America during the past week. The peanuts were purchased through the CCC. Area planted to peanut in Egypt in 1944 was estimated at 26,110 acres, compared with 25,532 acres in 1943.

Sesame—The final official estimate for area planted to sesame in Egypt in 1944 was 44,756 acres, compared with actual planting in 1943 of 31,152 acres.

Tung—Demand for tung oil has improved, with the volume of sales still moderate. Prices were firm at ceilings.

Fats and Greases

Grease—Conditions in this market were unchanged and firm owing to the sold-up output, resulting in few offerings, which were readily taken at ceilings. Consuming inquiry was active.

Lard—Because of the lack of offerings of lard and rendered pork fat, trading continued routine. Export quotas for the first quarter indicated a reduction of 25 percent in the amount allocated to Cuba. With the output curtailed, little lard was expected to be available for export during the next few months, according to packers. Chicago lard stocks totaled 16,525,000 pounds, December 30, as compared with 18,649,000 pounds December 1 and 26,734,000 pounds, December 30 last year. War Food Administration reported the purchase of 11,497,000 pounds of lard at 14.30 cents to 16.28 cents per pound, f.o.b. plant, on December 19.

The War Food Administration has asked hog producers having adequate feed supplies to keep additional sows suitable for farrowing next Spring to help meet the goal for Spring pigs, and announced extension of the present support price of $12.50 per hundredweight, Chicago basis, for good to choice butcher hogs weighing 200 to 270 pounds, to March 1, 1946. In order to reach the goal hog producers would need to increase the number of sows farrowing next Spring by about 11 percent over the number planned, as indicated by the December pig crop report.

Tallow—Routine trading was noted in this market during the week. Demand was active and unsatisfied. Users were said to be operating below capacity. Prices were strong at ceilings. A price ceiling of $18 per hundredweight on live cattle and increases in subsidies to packers for paying the higher prices was announced by the Office of Economic Stabilization, effective January 29, and to end July 2.

Fish Oils

Cod—Offerings were light, with consumers purchasing mainly for prompt delivery. Market was steady. Receipts of Newfoundland oil totaled 300 barrels and 100 drums.

Menhaden—Consumers continued to bid for crude oil at the ceiling without bringing out offerings. Producers were sold well ahead and were not disposed to take on further commitments. Refined grades were in fair request and firm at ceilings.

Baltimore, Jan. 10—Some of the menhaden fishing companies that operate on the North Carolina coast are continuing their activities whenever the weather and other conditions permit. Meanwhile, the revived demand for crude menhaden oil continues, and encourages continuation of efforts. Bids at 8.9c. per pound for crude oil did not interest producers.

Sardine — Trading was slow, although bids at the ceiling in the market for crude oil were not accepted. Refined oil was in fair demand and well held at ceilings.

Los Angeles, Jan. 10—Crude sardine trading here last week was light, due to lack of offerings. However, the Office of the Coordinator of Fisheries has recently released the information that San Pedro, California, in 1944, regained its position as the leading United States fishing port in weight of fish landed. In 1944 total landings at San Pedro was estimated at approximately 550,000,000 pounds, and at Monterey about 488,000,000. San Francisco accounted for 273,000,000 pounds.

Fatty Acids

Red Oil—New business was restricted owing to the sold-up output. Consuming inquiry was active. Deliveries against orders were in good request. Prices were firm at ceilings.

Stearic Acid—Tight supply situation lacked improvement. Production has been curtailed by the difficulty of obtaining pressing stock. Offerings were reduced to small lots. Prices unchanged at ceilings. WFA reported the purchase of 150,000 pounds of bead stearic acid at 15⅝c. per pound, bags, on December 13.

Cake and Meal

Cottonseed Meal—Demand continued active though trading in meal was light and spasmodic at ceilings. Offerings were restricted because of the sold-up production.

Linseed Meal — Production sold ahead and crushers unable to meet urgent demand.

Minneapolis, Jan. 10—Demand continued far above the market's ability to produce the protein feed and buyers were unable to make any new purchases. Instructions on maturing oil and meal contracts were in excellent volume.

Shipments of linseed meal in pounds were as follows:—

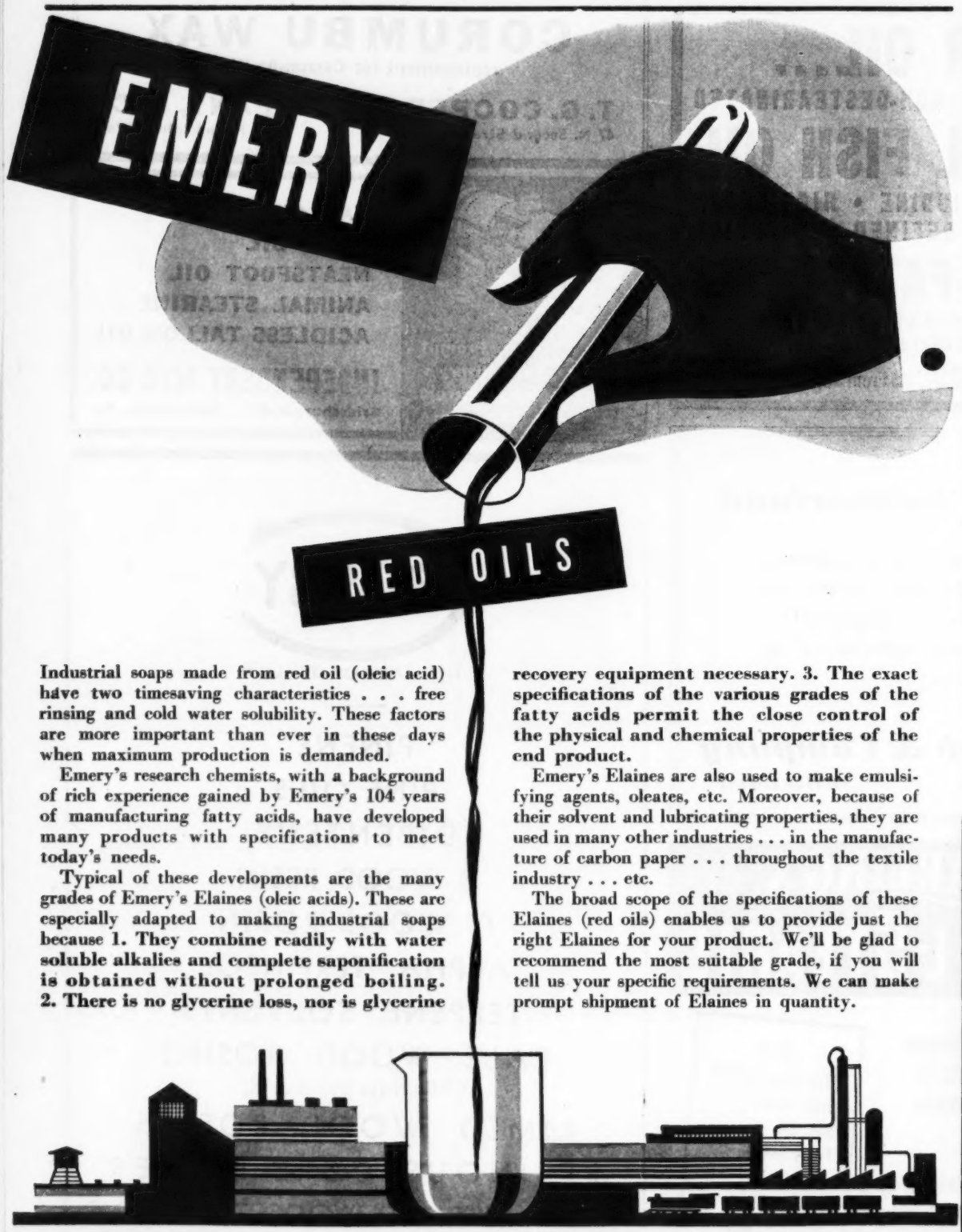
	1945-44	1944-43
This week.....	7,020,000	11,580,000
Since Sept. 1.....	20,040,000	190,260,000

Waxes

Beeswax—Conditions were firm, with trading quiet owing to the inability to procure offers for shipment from producing centers. Sellers were maintaining quotation for shipment above ceilings.

Carnauba—An active inquiry continued for shipment from Brazil. Offerings were scarce and bids at ceilings commanded little attention. Consumers were apprehensive concerning supplies for nearby and forward requirements.

Ouricury — Trading was moderate and spasmodic for shipment. Prices were unchanged and firm and reflected the strength in carnauba.



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Agricultural Chemicals

Fertilizer tax tag sales for 1944 were slightly smaller than in 1943, making the first time in six years that a decline has occurred. It is asserted that tag sales in the fertilizer year, July through June, are now much more significant than are calendar year figures. Tag sales for the year ended June 30, 1944 were 850,000 tons larger than the preceding year. Sales in the last half of 1944 were 55,000 tons larger than for the same time in 1943. The successful movement in recent years to get farmers to buy their fertilizer early has disturbed the statistical picture. The change in buying has greatly altered the seasonal distribution of tag sales. In 1936-40, sales in July-December accounted for only 16 percent of the total years' sales, while in 1944, the proportion was 29 percent.

According to reports, WPB officials have made an investigation to develop the possibility of continuing the program of converting potash muriate into potash sulphate, after a recent breakdown in the conversion plant. As a result of this investigation, it was said that because of operating difficulties, it will not be possible to resume conversion.

Use of more paper shipping sacks than were used in 1944 for packaging such animal feeds as fish meal, fish scrap, tankage and meat scrap, is prohibited by an amendment to paper shipping sack order L-279, amended January 6 by WPB. The amendment also prevents use of paper shipping sacks for packaging items by any one who did not use sacks for this purpose in 1944. However, persons who formerly used automatic machinery for packaging in paper shipping sacks may continue to do so in quantities not exceeding that used in 1944.

Nitrogenates

Ammonia Sulphate—Reported tight under an increasing demand. Mixers unable to secure enough nitrogen compounds have shifted buying interest to sulphate. Trade opinions indicate that a greater demand is expected as the season progresses.

Bone Meal—Sales reported at ceiling prices although there was not very much material around. Feeders have been taking this material with occasional sales of steamed bone meal noted for fertilizer use.

Castor Pomace—Buying conditions have not loosened while demand has increased. Production while temporarily stopped in some quarters, was reported heavily sold ahead in others. The supply situation appeared definitely tight at the close of the week.

Dried Blood—Demand has increased sufficiently to tighten this market appreciably. Buying interest, while mostly for feed, also included some fertilizer requirements. Reports were current of a shortage of shipping space from South America and the opinion prevailed that importations will likely be curtailed during the next few weeks. At the close, demand had exceeded the supply limit.

Fish Meal—Limited quantities were reported available in North Carolina and at Florida points but the supply was not equal to demand. Reports from the Baltimore area stated that farmers had used their trucks to secure this material when available, paying the ceiling figure. War Food Administration reported additional special purchases of 30 tons of fair average quality at Wilmington, Calif., December 12 and 30 tons at Richmond, Calif., December 21 at OPA prices.

Soda Nitrate—Continued in active demand for fertilizer use. Sellers stated that farmers have taken considerable stock and placed it in storage for direct application later in the year. Active buying interest has kept the supply situation tight.

Tankage—Reported to be moving steadily into channels covering feed suppliers. Buying was undertood to be almost entirely for feed requirements at ceiling levels.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

Fertilizer Materials

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Phosphates

Phosphate Rock — Acidulators are getting all of the rock they can handle from a material supply that is fully capable of satisfying demand. Whether the movement this year reaches the all-time high level of 1944 depends on the ability of acidulators to maintain output in the face of an acute manpower shortage and the possibility of securing sufficient sulphuric acid.

Superphosphate—Production for November, as reported by the National Fertilizer Association, was 414,024 tons of 18 percent a.p.a., compared with 450,706 tons for the same month in 1943. Stocks at the end of November were 607,380 tons against 596,078 at the close of the corresponding month in 1943. While a tight market was reported for this material, advices from the South indicate their shortage is more pronounced than in nearby areas. At any rate, there is less complaint heard here than at out of town points.

Potashes

Maintenance of heavy production of muriate has satisfied allocations promptly. Demand from mixers has continued heavy and is expected to increase with the approach of the fertilizer consuming season. It is understood that most of the applications for period five have been filed with WPB. Potash is about the only major basic fertilizer material that has retained a favorable supply position.

Sulphur and Pyrites

Production of native sulphur continued at a high level in November, according to figures released by the Bureau of Mines. Production was 53 percent and sales were 31 percent greater than in November, 1943. Industry stocks declined 20,773 long tons.

—Continued on page 70

Fertilizer Tax Tag Sales: 1944

	Tons					
	1939	1940	1941	1942	1943	1944
Virginia	418,080	393,069	399,377	420,668	487,068	515,578
North Carolina	1,215,887	1,076,730	1,150,343	1,243,612	1,414,454	1,369,751
South Carolina	678,859	685,310	729,447	698,704	890,493	799,083
Georgia	689,790	762,725	806,326	852,765	1,083,488	1,039,679
Florida	556,782	568,671	654,664	650,577	804,308	809,425
Alabama	562,100	575,900	581,500	574,150	780,050	674,400
Mississippi	318,761	319,508	368,667	377,082	495,289	417,624
Tennessee	130,354	147,311	141,461	174,298	230,818	271,545
Arkansas	74,122	101,000	125,100	140,458	182,865	131,083
Louisiana	160,488	156,775	182,010	173,241	214,768	216,245
Texas	95,226	118,199	142,666	133,974	186,510	204,509
Oklahoma	7,622	7,363	12,950	8,752	21,488	20,708
Total, South	4,908,080	4,912,561	5,294,511	5,448,281	6,791,514	6,559,630
Indiana	263,145	302,750	340,161	436,679	496,380	480,421
Illinois	43,456	51,748	63,004	82,526	111,315	185,565
Kentucky	120,009	123,102	121,976	146,420	164,037	246,119
Missouri	67,733	87,577	86,964	70,987	95,592	146,504
Kansas	14,366	17,931	19,186	11,415	16,324	38,521
Total, Midwest	508,709	583,108	631,291	747,977	883,648	1,097,130
Grand total	5,416,789	5,495,669	5,925,802	6,196,258	7,675,162	7,656,760
Total U. S. fertilizer consumption*	7,766,000	8,303,000	9,241,000	10,009,000	11,532,000	.....

* Including fertilizer distributed by government agencies.

For Current prices see alphabetical listing beginning on page 9.

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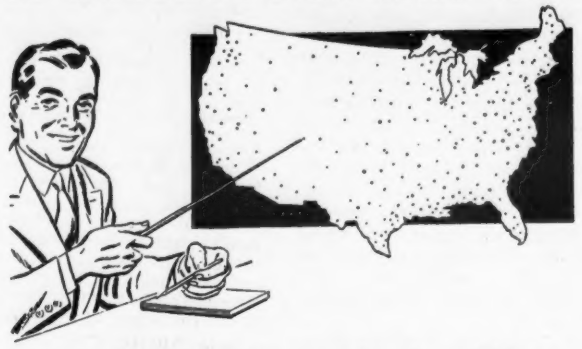

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Drugs and Fine Chemicals

Price activity in the drug and fine chemical market erupted violently in the quicksilver and quicksilver derivative division. All prices were advanced strongly and further rises in quotations appeared likely. Castor beans rose again in the Brazilian market where American buyers were a step behind the asking price views of the Brazilian sellers. Bromides settled into comparatively quiet position after the decline in the previous week, a movement accounted for at that time by reduced cost of production, to which idea was added last week the view that competition had played a part in the unsettlement of values.

The quicksilver market position constitutes a crisis in the supply of metal outside of the government stockpile. Spot goods have disappeared and prices for spot deliveries were purely nominal. Stocks at the mines were engaged well ahead, including metal above the ground and potential supplies still in the mines. Consumers who recently had complained, with some justice, of the severe and continued advance in prices have, apparently, turned to a more philosophical view that admits the liklihood of the advance being continued until ceiling limits are reached. Makers of mercurials have been caught in the bulge of raw material costs and it is debatable if all of the rise is reflected in the new schedules setup last week.

WPB recognized the very tight position of glycol ethers by setting up a small order exemption calculated more adequately to conserve stocks. It also transferred emetine and ipecac to the general chemicals order M-300, giving them the number 86. The War Food Administration rendered a sugar report on operations in the January-November periods.

Acetanilide—Both technical and USP material was in exceptionally steady request and although surplus supplies were moderate, if any, all essential needs have been successfully supplied at stable prices.

Acetone—War requirements take the total of production, which runs to high figures and still is insufficient to allow material for more than the essential needs of the war production program.

Acid, Ascorbic—Supply appears equal to the large requirements for lend-lease, civilian, and armed forces requirements. The delivery position is now clear of all allocation controls.

Acid, Boric—Requirements of all kinds are well and fully supplied and satisfactory reserves protect against sudden rise in national requirements. Stabilization of price prevailed generally.

Acid, Citric—Since production can not expand, only the most careful distribution can assure equitable division of the limited output available However, reduction in the allocation of other materials will be smaller and thus tend to ease the possible consumption of acid.

Acid, Salicylic—More could be sold if larger output were possible but the allocation of raw material is a confining factor in the output of the makers. Essential needs are well covered.

Acid, Thioglycolic—Prices ranged $5 to $7.10 per pound and, according to some producers, the quality at both ends of the range is closely identical. The basis is 100 percent and the merchandise obtainable at those prices should be products of exceptional high purity.

Alcohol—The War Production Board on January 10 amended its order M-69. Under the order as amended, paragraph (d) of the order, effecting the delivery of ethyl alcohol, now refers to order M-300, under which the chemical is controlled. Formerly, reference was made to order M-30 which had governed ethyl alcohol prior to its recent transfer to the general chemicals order M-300. The amended order now requires the monthly filing of form WPB-1533, which is a report of production.

Market Trends

Prices Advanced

Blue mass, 11c. per lb.
powder, 11c. per lb.
Calomel, 28c. per lb.
Castor beans, $5 per long ton.
Citrine ointment, 3c. per lb.
Corrosive sublimate, 24c. per lb.
Mercurial ointment, 30%, 10c. per lb.
50%, 17c. per lb.
Mercury, bisulphate, 22c. per lb.
Cyanide, 28c. per lb.
Iodide, red, 20c. per lb.
yellow, 20c. per lb.
Nitrate, 19c. per lb.
Oleate, 8c. per lb.
Oxide, yellow, NF, 30c. per lb.
Salicylate, 20c. per lb.
Mercury with chalk, 13c. per lb.
Quicksilver, $5 per flask.
Red precipitate, NF, 30c. per lb.
White precipitate, 26c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
231.3	230.4	229.6	245.6

Blue Mass—Higher production costs raised prices 11c. per pound, making N. F. mass $1.54 to $1.71 per pound as to quantity. The powdered form went to $1.57 to $1.71.

Bromine and Bromides—No further reduction took place in price. The only bromides affected by the decline in purified bromine prices are ammonia, potash, and soda. Production costs have been reported lower but comment in the drug market was that competition has increased considerably.

Caffeine—Stocks have gained to some extent but the additions to supply go direct to consumers and rarely if ever appear on the open market against which new buyers might draw. The situation, in fact, appeared tight.

Calomel—Continued rise in quicksilver prices forced calomel to rise 28c. per pound, setting the market at $2.44 to $2.45 per pound. The tendency was toward a further advance.

Castor Oil — The statistical year starts with an addition of 1,162,650 pounds to the available supply of beans. A year ago the addition was 4,096,800 pounds. Prices in Brazil have risen at least to $75 per long ton, f.o.b. Brazilian ports. At least, buyers here will pay that figure, but it is possible that Brazil might hold out for $76.

Chicago, Jan. 10 — Castor oil prices are:—Trade in castor oil is cold pressed, U.S.P., returnable drums, carlots, 14½c. per pound; drums, less than carlots; 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¾c.; drums, less than car lots, 15c.; tanks, 13½c.

Citrine Ointment—The market is 3c. per pound higher at 95c. to $1.15 per pound, according to quantity. A further advance is a reasonable prospect because of raw material strength.

Corrosive Sublimate—The new and higher prices are $2.07 per pound for crystals and $1.92 for either granular or powder. Prices for quicksilver are so strong that a further advance in derived products seems likely.

Codliver Oil—Stocks gained to the extent of 4 casks and 66 drums. During the week reports concerning the war included an air invasion of the Norwegian homeland by Norwegian paratroopers seeking to cut rail routes out of Norway to compel the Nazis to use water routes to move occupation troops for action on the continental front. This is the first positive move suggestive of the eventual liberation of Norway and the restoration of Norwegian codliver oil to United Nations markets. That accomplishment will totally change the codliver oil picture, which at present is one of much strength.

Dibutyl Phthalate — One producer dropped his price to 19.9c. per pound, a reduction of 6/10c. per pound. Another reduced quotations 7/10c., making the market 20.3c. Other makers retained unchanged schedules. The prices prevail from January 10 to February 9.

Emetine — WPB has transfered emetine to No. 86 in the general chemicals allocation order M-300. The previous allocation order, M-250, was revoked.

Fishliver Oils—The supply situation remains comparatively tight since the availability of raw material is such as to keep production under some cur-

For Current prices see alphabetical listing beginning on page 9.

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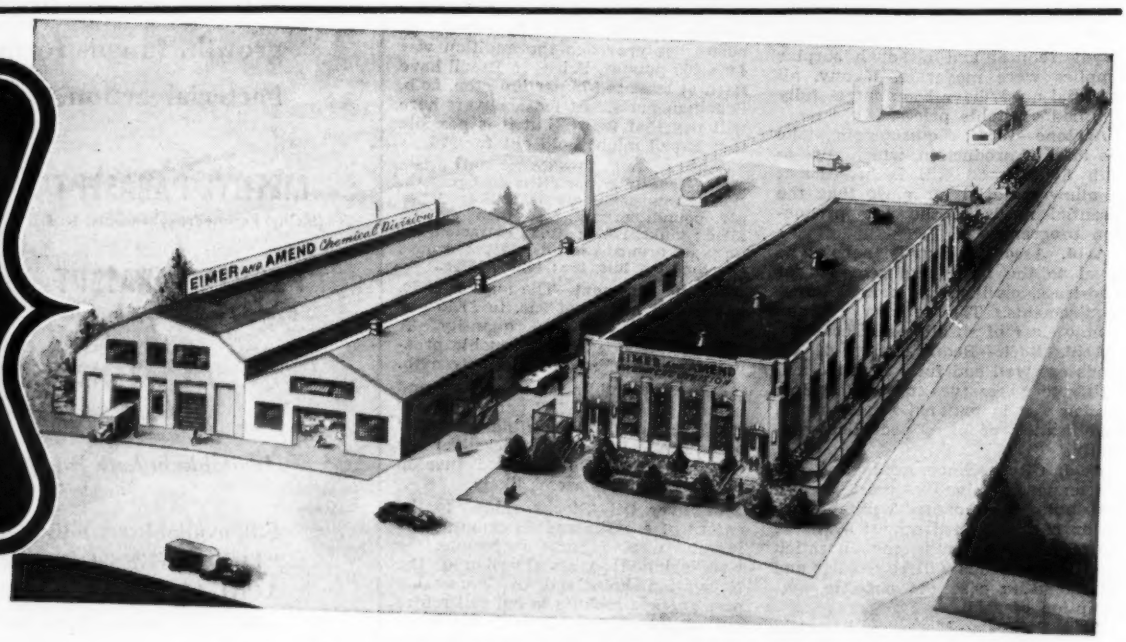

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tailment while needs continued unabated.

San Francisco, Jan. 10—The fishliver oil market was quiet here this week, with little trade reported.

Glycerin—November statistics, supplied by the Bureau of the Census, are:—Crude, production, 16,776,000 pounds (October, 17,844 pounds); consumption, 18,729,000 (October, 18,997,000 pounds); stocks, 11,858,000 pounds (October, 12,844,000 pounds). High gravity and distilled, production, 10,834,000 pounds (October, 9,262,000 pounds); consumption, 6,236,000 pounds (October, 6,792,000 pounds) stocks, 40,515,000 pounds (October, 39,443,000 pounds). Chemically pure, production, 7,684,000 pounds (October, 8,779,000 pounds); consumption, 9,084,000 pounds (October, 8,815,000 pounds); stocks, 36,602.000 pounds (October, 37,423,000 pounds).

Chicago, Jan. 10—Glycerin prices are:—Chemically pure, tankcar, 15c. per pound; drums, carlots, 15½c.; drums, less than carlots, 15¾c.; high gravity, tankcar; 14¼c. per pound; drums, carlots, 14½c.; drums, less than carlots, 15c.

Hydrogen Peroxide—The small order exemption has been reduced from 600 pounds to 120 pounds under amendment to schedule 5, WPB order M-300.

Mercurial Ointment—Prices were raised 10c. per pound on 30 percent ointment, making the market $1.20 to $1.31 per pound as to quantity; 50 percent, up 17c. to the basis of $1.64 to $1.66 per pound. A further rise appears to be in sight.

Mercurials—Bisulphate is 22c. higher at $2.37 to $2.39 per pound; cyanide, up 28c. to the basis of $2.62; iodide, up 20c., making red $4.30, and yellow, $4.40; yellow oxide, N.F., up 30c. to make the market $2.94 to $2.96. Mercury with chalk is also higher by 13c., the market becoming $1.55 to $1.57. All other quicksilver derivatives were also raised. Higher production costs forced the movement which seeks likely to be extended further.

Quicksilver—The market on spot is nominal. Last sales at the source were made at prices suggestive of a spot market at $160 per flask but spot goods hardly exist and primary market values alone seem quotable. Sales there have been made at $155 per flask and not much is available. Gossip has it that the price will eventually reach the ceiling limit of $191 or $193 at the mine, depending on location.

San Francisco, Jan. 10—Short supplies of quicksilver continued to up the price this week, with producers quoting metal between $153 and $155 per flask, f.o.b. San Francisco. Production at the mines is well sold ahead, with demands far exceeding the output.

Red Precipitate—Further rise in production forced producers of this quicksilver derivative to advance quotations 30c. per pound to make a price of $2.77 to $2.79 per pound on the N.F. article. Furthermore, there was reason to expect a further readjustment of prices that they conform more closely with the cost of raw material.

Sugar—The War Food Administration report on sugar for January-November shows that distribution for consumption in continental United States in 1944 was 6,558,202 short tons, comparing with 5,909,318 short tons during the corresponding period in 1943. Stocks on hand November 30 totaled 1,054,005 short tons, against 1,542,566 short tons November 30, 1943. The short ton figures are raw value.

White Precipitate—Higher by 26c. per pound, making the market $2.54 per pound as the result of the continued advance in prices for raw material. Indications in the quicksilver market suggest that a further advance is not unlikely.

Trade Briefs

Cole Laboratories, Inc., Long Island City, has received a star which is to be added to its Army-Navy "E" flag for excellent production.

John G. Magee has been elected a director and secretary of the Charles E. Hires Company, manufacturer of carbonated beverages, Philadelphia.

Pharmaceutical Export Corporation, New York, has been formed with a capital of 200 shares no par value. Subscribers are P. A. Liebell, J. Wollman, H. Rich.

Penicillin research at the University of Wisconsin is divided among three departments, under seven numbers of the professorial faculty. Among the contributors of supporting funds are the Heyden Chemical Corporation, $4,400; and Lederle Laboratories, Inc., $4,800.

Benedict General Sales Head For Norwich Pharmacal

Oliver W. Benedict, vice-president and formerly assistant general sales manager for the Norwich Pharmacal Company, is now general sales manager.

Mendelsohn Joins Van Pels

M. S. Mendelsohn, connected with the botanical drug business for twenty years, and at one time in the employ of J. L. Hopkins & Co., New York, has joined the organization of Max van Pels, importer and exporter of botanical drugs, gums, and related raw materials, New York.

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Ewing Joins Penick Co.

James H. Ewing has joined S. B. Penick & Co., botanical drugs and fine chemicals, New York. Mr. Ewing had been previously connected in an executive capacity with the purchasing department of the Calco Chemical Division of the American Cyanamid Company.

Drug Law Inspections

—*Continued from page 3*

contaminated by bugs and rodent excrements during storage, by reason of inadequate container protection. Inspectors are directed to give close attention to evidence of rodents or bugs and to forward samples for chemical analysis and microscopic detection of foreign substances.

It has been found that the ultraviolet light is extremely helpful in detecting evidence of rodent urine on crude drugs and spices: urine immediately becomes fluorescent when in contact with the light rays. Inspectors are able to play these lights over an entire lot of drugs in a matter of a few minutes and determine immediately the possibility of contamination from rodent urine.

Attitude to Be Reasonable

Officials said that recognizing that the war has imposed manpower hardships on industries, it is not their intention to be unreasonable in their enforcement of law. However, it is added, there is evidence that the manpower shortage is being too readily blamed for conditions which could be corrected in spite of labor difficulties. They ask that industries exercise reasonable care at least in seeing that their establishments are kept clean.

The fact that a Freemont, Mich., jury recently disagreed with FDA over whether a shipment of baby food by the Gerber Products Company violated the law would not, they said, deter them from seeking full compliance with the law. The company was charged with shipping contaminated strained peaches, but the jury and the judge held that microscopic amounts of filth in the food did not violate the law.

Officials regarded the adverse decision only as an isolated instance of a setback in their administration of the law, which would have no effect on enforcement generally because it was contrary to past judicial findings. The trial was on a criminal action; hence no appeal can be made by the Government from the decision.

Drug Seizures Increased

—*Continued from page 3*

foods for the armed forces. Examinations of medical consignments received by the army increased to an average of more than 1,000 samples a month, this work continuing to include chemical analyses of drugs and medicines; pharmacological tests of all drugs standardized by means of bioassays; bacteriological tests of the sterility of surgical dressings, ampul drugs, sulphonamides, and other preparations for injection or for use in open wounds; and potency tests of vitamins.

Evidences of inadequate factory controls in army drug samples led to regulatory action under the food, drug, and cosmetic act, it was noted. Findings that large quantities of solutions for injection were contaminated with insoluble material resulted in rejections of the lots destined for the use of the armed forces, seizures of a number of shipments, and citations of the manufacturers responsible.

France, Campbell & Darling Names New England Agent

France, Campbell & Darling, Inc., Kenilworth, N. J., has appointed N. S. Wilson & Sons, 150 Causeway street, Boston, Mass., its sales representative in the New England territory.

Imperial Color's Calendar

This year's calendar from the Pigment Color Division of the Imperial Paper & Color Corporation, Glens Falls, N. Y., is of the customary, expansive poster type. The picture measures up also to the criterion of former years. It is a reproduction of a full-color photograph of a Merced river scene in Yosemite valley: "Reminding you of Imperial colors—Nature's nearest rivals."

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Gov't-Owned Patents

—Continued from page 5

when an employee is hired to invent, and second, when an employee makes an unrelated invention by use of his own time and facilities, the rule of the general law should be followed. General regulations should be maintained, promulgated in departments confronted with substantial patent problems.

2. Ownership of inventions resulting from research contracts cannot be determined in advance by arbitrary or fixed rule but must be decided in each instance in accordance with the facts involved.

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Drug Labeling Rules Clarified by FDA

OPD Washington Bureau

Warning statements on drugs and pharmaceuticals, to be conspicuous, should appear on the outside of the package, or at least a summary should so appear with references to complete warnings elsewhere in the labeling, the Food and Drug Administration has announced in a letter to an inquirer, just made public.

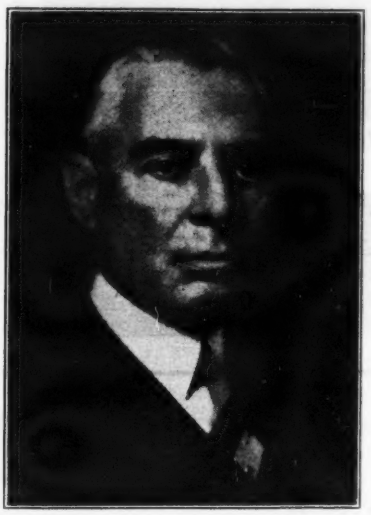
At the same time the administration informed another inquirer that directions for use of drugs and devices to be adequate should inform the purchaser both how and for what purpose they may be used.

Because of the phraseology of section 201(m) of the food, drug, and cosmetic act defining the term, "labeling," the first inquirer was of the opinion that the law requires that adequate warnings appear upon each separate pice of labeling material and in particular that they appear upon the carton.

Simon and Callan

—Continued from page 3

der the title of Crawford, Callan & Co. to act as export and import commission merchants and as representatives of foreign and domestic shippers. The firm will have offices in 350 Madi-



William Callan

son avenue, New York. Thelma V. Kish, who has been with the New York agency of Crawford, Keen & Cia is associated with the new firm as a junior partner.

Mr. Simon established the Helden Chemical Works in Garfield, N. J. in 1900. He also was one of the incorporators of the Norvell Chemical Company in Perth Amboy. Later the plants were merged with the Heyden Chemical Corporation, New York. At that time he became a director, treasurer and vice-president in charge of sales of that company, a position he held until his retirement in 1944.

Mr. Callan, who recently retired as vice-president of the Borden Company, has long been connected in the chemical field. He was formerly vice-president of the Central Manufacturing Company, Cincinnati; European representative of H. J. Baker & Bro.; head of the Bowker Chemical Company, a subsidiary of the American Agricultural Chemical Company; president of the Casein Manufacturing Company of America; president of the Dry Milk Company; president of the National Milk Sugar Company.

Mr. Crawford has been the representative and agent of the Argentine firm, as well as several other South American firms, for the past twenty-two years. He founded the original firm in Buenos Aires after leaving W. R. Grace & Co. in 1922. He has recently returned from Washington where for several months he headed the Food Supply Section of the Food Control Division of the War Shipping Administration. He has also acted on behalf of the government in several procurement programs in South America. In World War I, Mr. Crawford served overseas as an officer in the United States Navy.

Junior Chem. Engineers To Hear Murphy

The Junior Chemical Engineers of New York will meet January 31. The meeting, which will follow a dinner in Child's restaurant, 109 West Forty-second street, will be addressed by Walter Murphy, editor of Industrial Engineering Chemistry. He will talk on "The History and Economic Principles Involved in Merchandising Chemicals."

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Textile and Leather Chemicals

An active consuming inquiry continued for textile and leather chemicals during the week. Scarcity of many domestic and foreign materials is keeping inventories at a low point.

Tanners showed an active interest in replacements of imported tanstuffs for nearby and forward requirements. Recent receipts were booked for shipment about six months ago. Demand was pronounced for divi-divi, wattle bark and extract and quebracho extract. Offers for divi-divi for shipment were limited with sellers naming prices above buyers' views. Wattle bark and extract supplies continued tight and cable advices from producing centers stated that the scarcity has become more acute and shipments to this country are unlikely to be made during the first half of the year. Business of good volume was reported in solid quebracho extract at the higher ceiling announced a week ago. This advance did not cover the ground or liquid grades.

Prospects of relief concerning low supplies of potato starch were said to be unfavorable at present because of the marked curtailment in the production caused by the withholding of culls by farmers for feeding purposes. It was pointed out that at the current rate of production, supplies of starch will become exhausted within three months, meanwhile consumers are showing more interest in substitutes.

The government's civil suit against the tanning industry for violation of the antitrust laws is scheduled to go to trial before the United States District Court for the Southern District of New York about May 1.

FEA has announced that the following tanning and dyeing materials in crude or extract form, which have been exported under general license to group K destinations, may no longer be exported under general license after January 11 — Divi-divi, hemlock, mimosa, myrobalans, oak bark, wattle bark.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
284.0	284.0	283.4	272.8

Chemicals

Alumina Chloride — Trading was slow, but the market was steady. Production was not heavy but sufficient to cover requirements. Prices were unchanged.

Bichromates — Consumption continued heavy and absorbed production of potash and soda on allocation by WPB. Available supplies were low, with prices firm at ceilings.

Soda Formic—Withdrawals against contracts moving steadily on contracts. Supplies were not liberal and the output has been restricted by the tight supply situation in oxalic acid.

Dyestuffs

Fustic — Demand was routine and confined to actual requirements. Supplies were light. Quotations unchanged.

Madder—Trading was restricted to prompt delivery. Prices were firmly maintained.

Sizing Materials

Albumen, Blood — While demand was quiet, deliveries against contracts total a fair volume. Production not heavy, but adequate to meet requirements. Prices were steady.

Albumen, Egg—Tight supply situation still features this market. Demand was light and mainly for spot delivery. Interest in forward delivery was slow owing to the reduction in price ceilings during the next two months. Current sales were still below ceilings. Small lots of granular were quoted at $2.02 to $2.05 per pound in barrels and powdered at 5c. per pound higher.

Egg Yolk—Demand was moderate. Market continued firm because of the scarcity of supplies on the spot. Prices were steady at ceilings. The War Food Administration announces a revised farm egg production goal for 1945 of 4,350 million dozen eggs.

The increased goal would provide for all military requirements for shell eggs and for military and lend-lease needs for dried eggs from 1945 production. About 125 million pounds of dried eggs carried over from surplus 1944 egg production are available to meet the balance of the lend-lease program.

Starch, Corn—Steady consuming call for delivery against former contracts absorbed the production. Market was firm at ceilings. New business was moderate. The delivery situation has improved, and sellers were making deliveries according to schedule. Visible supply of corn was increased by 584,000 bushels during the week ended January 6 totaling 12,292,000 bushels, compared witht 11,269,000 bushels a year ago, according to the Chicago Board of Trade.

War Food Administration announced shipments of corn starch amounting to 12,067,724 pounds for lend-lease during the month of November. Purchases of 8,005,500 pounds of powdered and pearl corn starch at 3.57c. to 3.892c. per pound in 100 and 140-pound bags, f.o.b. plant, were made by WFA on December 21.

Starch, Potato — Tight supply situation was reported worse, and there appears to be no relief in sight. Production has been materially reduced, and consumers have been compelled to use substitutes. Buying interest was active, with business restricted because of scarcity of supplies. Prices were firm at ceilings.

Tapioca Flour—The market was bare of supplies, with consumers turning to substitutes. Prices were unchanged and entirely nominal. Offerings from Brazil continued to be held at prices above import ceilings, which prevented business.

Tanning Materials

Divi-Divi — Firm conditions continued in primary markets owing to the scarcity of material for shipment. Consuming inquiry was active, but business was slow because sellers' ideas were well above buyers.

Mangrove Bark—While trading was quiet, a firmer tone was noted in primary centers. Offerings were lighter, with users showing a good inquiry for prompt and nearby shipment. Quotations were unchanged.

Myrobalans—Inquiry for future delivery was fairly active. Offerings were not heavy, with prices for shipment from producing points unchanged and steady.

Quebracho—Contracts for good-sized lots of solid quebracho extract were reported to have been placed at the recently advanced ceilings. No changes in the prices of ground and liquid extract have been announced as yet. Members of the trade will meet soon to discuss this phase of the price situation.

Tara Powder—Reduced consumption for product has affected consuming interest and the market continued quiet and unchanged. Supplies on the spot were limited, and quoted at $120 per ton.

Valonia—In view of the exorbitant prices asked for shipments from Turkey, buying interest continued conspicuous by its absence. Smaller yields were anticipated for valonia in Turkey. The shrinkage in the crop was expected to reach 50 percent, attributed chiefly to adverse weather and lack of interest on the part of peasants, according to reports received by the Department of Agriculture.

Wattle Bark — While replacements were quite liberal of late, tanners continued to show an active inquiry for bark and extract for future needs. The tight supply situation in primary markets has become more pronounced, and cable advices indicate that no offerings for shipment were expected to be available to this country during the first half of the year.

For Current prices see alphabetical listing beginning on page 9.

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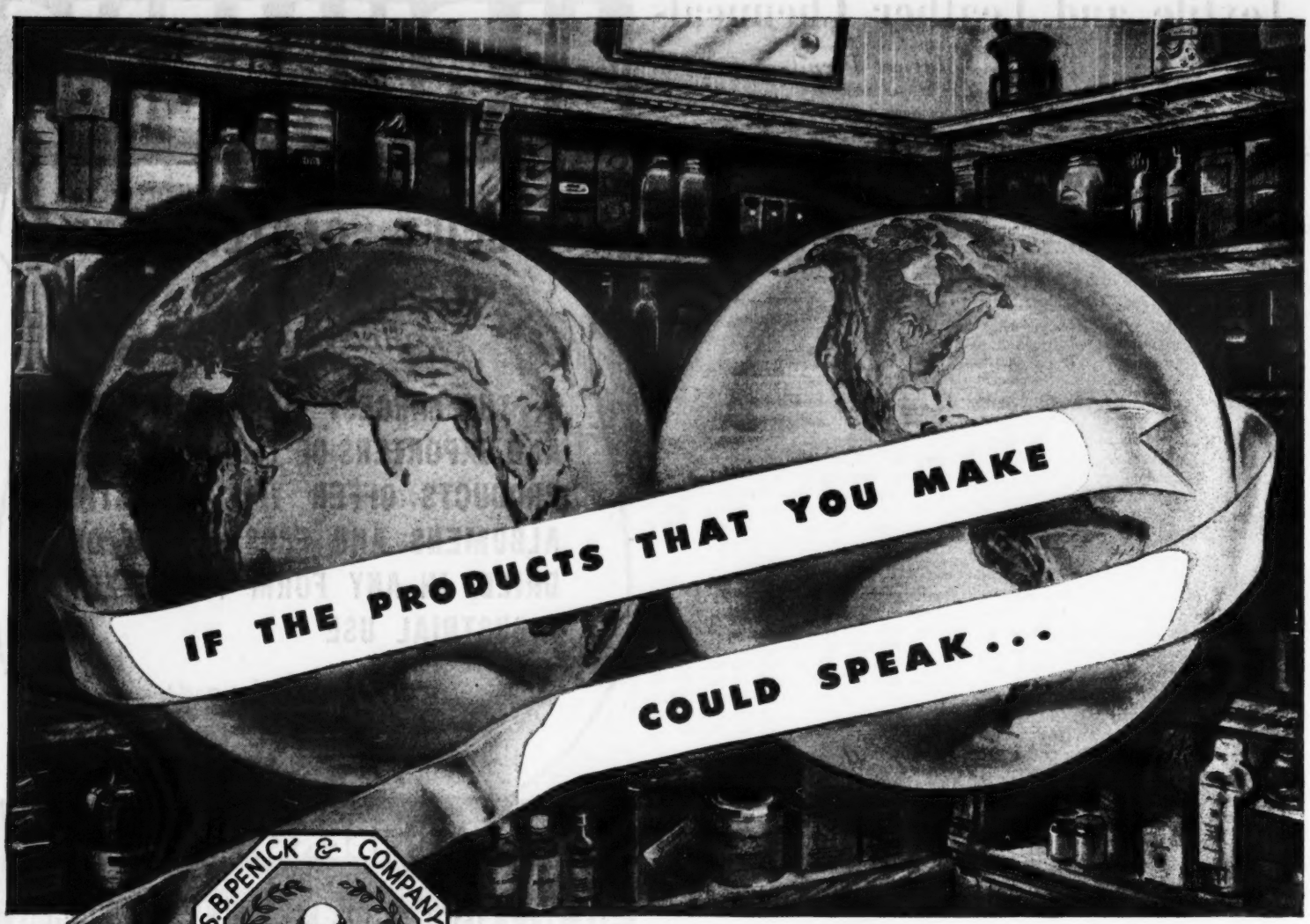

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Botanical Drugs, Spices, Gums

The botanical market has rounded into the New Year without any important disturbing of basic conditions and it has now straightened away for the run through the last consuming season standing between the old and new crop season.

Reports last week indicated that some revival of trade enlivened the period under review. For the most part, the orders lacked important size and they seemed to arise from necessities developed by annual inventory figures that revealed numerous holes in the stocks of a considerable number of manufacturing consumers. This sort of demand built a quite interesting total volume of transactions that, for the most part, was booked without disturbing the prevailing structure of prices.

The strength in and scarcity of goldenseal root was emphasized once more by a price advance that, in some measure, was assisted by the attitude of fur dealers supplying part of the current requirements. Of interest, also, was an offering of Turkish poppy seed for later arrival—some time next Spring—at virtually ceiling price limits and to be forwarded here from stocks bought in Turkey three years ago to prevent Germany getting it for the purpose of making poppyseed oil, which has a large continental consumption in times of peace.

Celery seed was higher for some reason not disclosed. Dewhiskered dillseed reversed its recent downward price trend, wiping out all of the decline and establishing a level above that prevailing recently. The only declines came in No. 2 Jamaica ginger, and Mexican curly leaf oregano herb.

Balsams

Copaiba — Demand was moderate and involves small quantities of prompt delivery material. Prices held very steady.

Fir — No oversupply of Canadian balsam was held locally and the price position was one of substantial strength. Oregon balsam was not plentiful but was still not in acute supply position. Prices were steady.

Barks

Buckthorn — Extremely limited stocks of this article were in hand and the undertone of the market was one of substantial strength to which lack of competition contributed.

Condurango — Little linterest has been shown for some time back but additions to stock have been infrequent at the best because of transportation insufficiencies. Hence, the price position contained elements of real firmness.

Cocillana—Who must have this bark must pay a mighty price for a prompt delivery—42c. per pound was done again last week. Most dealers totally lack supplies, mainly because replacement cost was high enough to conflict with the price ceilings of most dealers.

Sassafras—A pickup in demand for selected bark was seasonal in character and a very fair movement was the volume of shipments to manufacturing consumers last week.

Beans

St. Ignatius—Liberation of the primary market began in earnest last week when United States forces landed on the island of Luzon in the Philippines. Stocks have been exhausted for months. Restoration of supplies is untold months away.

Vanilla—The market was at low ebb in the matter of supplies. Manufacturing consumers who held contracts have been receiving deliveries, but new orders stood but a remote chance of being filled until at some indefinite future time supplies of Bourbon beans will gain again.

Berries

Juniper—Possibly 75c. per pound for imported berries might be shaded, but it would require orders in hand to establish that idea. Furthermore.

Market Trends

Prices Advanced

Drugs

Goldenseal root, whole, 20c. per lb. powder, 20c. per lb.

Other Articles

Allspice, Mex., futures, ½c. per lb.
Caraway seed, Calif., Dutch type, 1c. per lb.
Spanish, dewhiskered, 1c. per lb.
Celery seed, Indian, 1¼c. per lb.
Dillseed, dewhiskered, ¾c. per lb.
Paprika, Spanish, fancy, futures, 1½c. per lb.

Prices Reduced

Drugs

Grains of Paradise, 2c. per lb.

Other Articles

Ginger root, Jamaica, No. 2, ½c. per lb.
Oregano, Mex., curly leaf, ½c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
244.0	242.5	242.6	260.5

some of the berries recently added to available supplies turned out to be other than juniper berries.

Hawthorn—Apparently there is not much interest being shown in English berries, otherwise the small stock claimed to be available would have been exhausted long ago. Practically all dealers admit inability to restore offerings of spot goods.

Flowers

Arnica—Consumers have to get along with occasional deliveries of quantities always small in size. Some dealers lack stocks. A strong undertone prevailed and sales added to the general market strength, however small they might be.

Chamomile—The Russians are having a time taking Budapest, Hungary, a city from which substantial quantities of Hungarian flowers came in peace time. The sole dependence is the Argentine, where the flower is cultivated for commerce by refugees from European drug centers.

Lavender—The Department of Commerce representative who is surveying the French raw material supply situation in his first report said nothing regarding supplies of French lavender flowers there might be expected to be available for export account. Good flowers were cleared from this market a long time back and what remains is very old.

Gums

Aloe—Prices were reported holding reasonably steady. Greater availability of Curacao gum has restored some activity in that material. And the major commercial requirements are being supplied from steady deliveries of Cape gum.

Arabic — Off and on, attempts to raise prices are made but they usually failed before the appearance of definitely firm orders in the open market. Shifts in quoted prices are always small fractions up or down, but the actual selling prices remain virtually unchanged when business is completed. Replacement clips the wings of these who might wish to bid for business. Competition clips pinions disposed to try occasional flights upward.

Benzoin—It is amazing how retail outlets are still able to supply benzoin tincture on prescriptions. The normal primary markets for all varieties of this article have been cut off for years.

Herbs and Leaves

Buchu—Additions to stocks recently relieved some of the pressure on the supply situation but the cost of replacement precluded naming more favorable prices to the manufacturing consumers. A firm market continued last week.

Coltsfoot — Only small quantities were available and the price was approximately twelve times the normal prewar level. Seasonal interest has shown some increase.

Henbane—The reserve appeared to be ample for current needs and the supply was such as to keep quotations reasonably easy though not disposed to more than occasional tendency toward downward dips.

Oregano—Curly leaf Mexican herb

For Current prices see alphabetical listing beginning on page 9.

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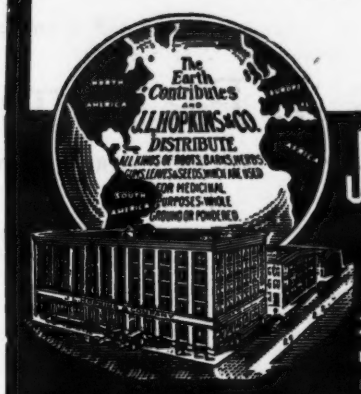

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was cheaper at 9c. to 9½c. per pound. The article was priced identically with flat leaf.

Miscellaneous

Grains of Paradise—First hands were shading prices by ½c. per pound last week but dealers maintained their quotations in line with the first cost of the goods delivered, or at 28c. to 30c. per pound.

Lycopodium—Interest was at low ebb. Market comment mentioned alleged facts that suggested it was possible to buy at the source around $1.25 per pound. Well known hands as well as local dealers turned thumbs down on any such probability. Prices at $2.75 to $3 per pound were general.

Roots

Goldenseal—The market was higher at $7.70 to $8 per pound for whole, and $7.95 to $8.25 for powdered material. Firsthands were disposed to rig a much higher price level and circulated information to that end. The fact was that there is no surplus of root available in any quarter. Lacking ceilings, the sky was the limit on price movements.

Helonias—The pinch on supply was tight. To a considerable extent the market was nominal, although limited quantities could actually be had at very strongly maintained prices.

Rhubarb—Supplies were fully equal to any requirement of actual consumers and the price position was reasonably favorable for those with firm orders to place. The activity last week was not expansive.

Seeds

Caraway—California Dutch type was higher at 75c. to 76c. per pound. Dewhiskered Spanish seed was nominal at the higher level of 73c.

Celery—For a reason not disclosed, asking prices on Indian seed were higher at 18½c. to 19c. per pound.

Coriander—Offerings of Argentina seed to arrive were made at 12½c. to 13c. per pound.

Dill — Dewhiskered material reversed price trend sharply, rising to the basis of 12½c. to 13c. per pound.

—Continued on page 70

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Essential Oils, Other Aromatics

Business in essential oils was rather quiet last week, although that in substitute materials as well as in compounds was quite satisfactory. Supplies that were inadequate in size hurt activity in aromatic chemicals, among dealers, although the producers had about all the business they could care for on a reasonably prompt delivery basis.

Stocks of most items remained at low ebb, caused partly by shipping difficulties and partly by the inability of New York importers to negotiate directly for supplies in some primary markets. There was some reason to think that direct negotiation between French and American principals would be far more productive of actual supplies, granted that shipping be available for transport. The news that some Liberty freighters will be turned over for manning by French sailors was interpreted to mean that such ships would be used to revive French industry and provide a transport medium for French perfume products and other articles.

Revivification of French shipping could also mean that the products of French Oceania and North Africa might at long last get a transportation break. Substantial stocks are believed to be in store at most points under French control. Given direct negotiation between principals and a reasonable break in shipping space to be added to the international pool, some of the shortage in spot stocks can be relieved.

Market Trends

Prices Advanced

Juniper tar, 15c. per lb.

Prices Reduced

Eucalyptus, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
201.8	201.8	204.6	256.0

Essential Oils

Almond — The most limited quantities of bitter, FFC oil were reported available and the price asked was strongly maintained at the levels recently established by transactions. Sweet oil came in for improved demand for quantities of moderate size and some firmness was added to prevailing prices.

Angelica — The market was virtually nominal in that few had any sort of oil to offer, despite the fact that import agents occasionally have indicated receipt of mail suggesting availability of the article abroad.

Anise—Small quantities of Russian oil were offered at $4 per pound but there was naturally no Kwangsi oil available and on Chinese authority, none has been exported since 1941.

Avocado — Not appearing much in current transactions and stocked only to an extremely moderate extent.

Bay—Stocks are kept moderate by the irregularity with which replacements come to hand. It is, mainly, a shipping problem which has not moved much toward solution.

Bergamot — Small quantities of Italian oil change hands occasionally but the unengaged quantity remaining from the government import from Italy is so small as hardly to constitute a basis for market quotations.

Bois de Rose — Exceptionally firm and tending toward a further advance along the lines noted in the previous week. There is something of a pinch on supply, and the replacement position is none too encouraging at this time.

Cajeput — No higher in price and also no easier in the matter of available supplies. A strong undertone governed throughout the past week even though the activity of buyers was solely jobbing.

Cananga — The tendency of prices was toward higher levels. Absence of replacement stocks and shrinkage in the already small current reserves were exceptionally strong influences in the market last week.

Capsicum (Oleoresin) — Many suppliers have none to offer and others book orders subject to a delay in delivery. The usually ample supply of this material is no longer extant.

Caraway—Steady as to price and inquired for somewhat more actively. Not much competition was current in the spot market last week, limited stocks being a check in that direction.

Cedarleaf — Jobbing business looked up moderately last week, the recent concession in prices tending to induce some buying interest. Prices, however, showed a firmness throughout the entire week.

Cedarwood — No surplus of supply was in hand. Neither was there more than moderate consuming demand during the past week. The market remained steady and in statu quo.

Celery—There is plenty of seed available for those who wish to try distillation. The price at which it may be bought is far below the official ceiling. Supplies of oil were moderate and there seemed to be some upward tendency in prices.

Cinnamon—Most quarters offer only an imitation or substitute for the genuine material. An idea of selling prices is gained from the quotation of $8 and $13 per pound on two varieties of imitation products.

Citronella—Ceylon oil was priced at 90c. per pound, while a twice rectified product brings $2.75 per pound, or its ceiling level. Conditions in the primary market changed little and prices were well supported there.

Clove—Prices held firmly and supply showed no improvement. Some twice rectified oil was held for $2.45 per pound; the single rectified article was minimum at $1.70 to $1.75.

Coriander—Not a sign of price concession, nor of any predictable future in which stocks would show a substantial rise. The possibility of Argentine seed coming here held some interest because some reports concerning the article have suggested a reasonably satisfactory oil content.

Croton—There is no general distribution of stocks and a going price of $4 per pound was declared reasonably representative of the market, with occasional transactions going through at slightly less.

Cypress — Very little interest was shown in the very little material still available locally. A firm and apparently well stabilized price at $12 per pound proved also to be at ceiling limits.

Dill—Consumers connected with the pickling industry have been fairly active in contracting their requirements for the coming season. Certainty of good quality oil being on hand seems an activating factor in the bookings, though reasonable attractive prices also play their part now.

Erigeron — One lowly transaction was reported in support of a price at $2.25 per pound but there was practically no more available material.

Eucalyptus—An offering was made at $1.09 per pound, being material testing 70-80 percent and twice rectified. The fact was that spot deliveries were in exceptionally low supply and numerous of the former suppliers were unable to make prompt delivery offerings.

Geranium—Bourbon oil hardened at the lower price level reported in the previous week but there seemed more than an ordinary amount of competition current on spot and it was possible that concessions might still be made. Algerian oil—the genuine article—was hard to get and the market was about nominal.

Grapefruit — The government recently bought in Florida at $1.85 per pound, against a spot asked price of $2.05 per pound. Little activity was current locally last week.

Ginger—There was recently some reason to expect that African root might come here in 1945 but during the past week information in hand suggested that such an event was far from being certain unless the shipping situation shall improve much.

Lavender—No further light was shed on replacement arrivals or on the probability of such a desirability. However, a development in shipping circles may help if oil be available. A number of Liberty freighters are to be allocated for French business and will be manned by French sailors, apparently, in part at least,

For Current prices see alphabetical listing beginning on page 9.

The First Truly Different Fly Spray Deodorant

PERFUME OIL FRUIT BERRY MM&R

This utterly new and different product not only neutralizes the odors of toxic agents, but also provides the finished spray with a truly refreshing and welcome berry-like fragrance.

Your first tests will show that this light fragrance will completely cover the most heavy and penetrating of odors.

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MANUFACTURERS OF FLAVORS, ESSENTIAL OILS, AROMATIC CHEMICALS AND PERFUMES

for the purpose of aiding restoration of French economy.

Lemon—The market remained in statu quo—which means that there was more business than could be filled on a prompt delivery basis, this because of a lack of sufficient stocks.

Aromatic Chemicals

Anethol—Former suppliers report nothing in hand, in many instances. The producers are able to offer only moderate quantities.

Anisic Aldehyde—Holding exceptionally firm, and even strong in some quarters. All directions report absence of more than small stocks and a deal of uncertainty surrounds replacement of the current supply.

Benzaldehyde—The open market offerings of this article are very small, kept so by consumption resulting from military necessity. Resellers get around $1.25 per pound, while the producers' minimum is 85c. for the N.F. item.

Ter Veer Marks 25 Years With Polak Frutal Works

John ter Veer, secretary of Polak's Frutal Works, Long Island City, N. Y., was the guest of honor at a theatre party and dinner January 6, on the occasion of completion of twenty-five years of service with the company. He was presented with a substantial war bond by the company, a scroll of honor, and gifts from his friends and associates.

Mr. ter Veer started as assistant accountant for the parent company in Amersfoort, Holland shortly after the first World War. In 1923 he was transferred to New York at which time the company occupied offices and warehouse in 180 Lafayette street. In 1928 he became secretary of the company. Since then he has been active in the office management and purchasing department.

Trade Briefs

Kentucky Standard Oil is moving its offices to the 13th and 14th floors of the Starks building, Louisville.

New England Drysalters Association will holds its annual dinner in the Statler hotel, Boston, January 29.

Louis Bezard has been elected by Schiaparelli Parkum Inc., N. Y., as vice-president in charge of art and purchases.

Charles J. Brand, secretary-treasurer of the National Fertilizer Association, has been elected to honorary membership in the American Soybean Association.

American Aromatics Corporation, New York, has been formed with a capital of $20,000 in $10 shares. Subscribers are Harry W. Ferguson, F. C. Keidel, Margaret L. Moore.

Red Wing Oil & Refining Company has been incorporated in Los Angeles, with a capital of $25,000. Directors are: Walter Larson, Charles S. Cox and Gail D. Bellenger, all of Los Angeles.

J. Grayson Luttrell has been reappointed to the Board of Tea Experts of Federal Government, it was announced today, Mr. Luttrell is vice-president of McCormick & Co., manufacturer and processor of teas, spices, flavoring extracts and condiments. Baltimore.

Chicago Extract Group Elects Degener President

F. A. Degener, of the Heyden Chemical Corporation, has been elected president of the Chicago Perfumery, Soap and Extract Association. He succeeds Joseph A. Gauer, of Fritzsche Brothers. Other officers elected were: — Vice-president, Walter A. Nay, of the Mallinckrodt Chemical Works; secretary, Carl Edwards, of Fritzsche Brothers; treasurer, Martin Vance, of Givaudan-Delawanna, Inc. At the Christmas party of the association, held December 7, approximately 700 members and guests were in attendance.

F. A. Degener

Glass Container 'Trust'

—Continued from page 3

Works, Owens-Illinois Glass Company, Hazel-Atlas Glass Company, Thatcher Manufacturing Company, Lynch Corporation, Ball Brothers Company and the Glass Container Association. Four of the individual defendants, Isaac J. Collins, T. C. Fulton, W. V. Fisher, and J. L. Dillworth, were declared free of all charges.

Changes made in the decree at the direction of the court called for complete dissolution of the Glass Container Association, eliminated a provision which would have forced the concerns to make available drawings and patterns of machinery under license inventions, removed a provision in which the lower court restricted the companies from suing or intervening in patent infringement suits on glassware machinery, and amended a provision to bar only the acquisition of a controlling interest through ownership of stocks or bonds by one corporate appellant in another.

The court rejected the suggestion of the United States District Court for Northern Ohio that the Glass Container Association be continued as a technical and research body and that the patents be licensed without royalty. The court ruled that reasonable charges should be allowed for the use of the patents.

Dings & Schuster, Inc., Formed

Effective January 2, the firm of Dings & Schuster, importers, bleachers and manufacturers of shellac was succeeded by Dings & Schuster, Inc., 17 John street, New York 7, N. Y., the officers being Lionel Schuster, president and treasurer, Adrian E. Jacobs, vice-president, and K. C. Judge, secretary.

Remus & Co. Opens Office in Kansas City

Edward Remus & Co., essential oils and aromatic products, New York, will maintain a Western office at 903 Central street, Kansas City, in charge of the company's vice-president, Richard Remus, assisted by George M. Cox, formerly of Standard Synthetics, Inc.

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Petroleum Derivatives

Virtual commandeering of pipelines and tankcar facilities by the military authorities for the rapid, continuous movement of super-high-octane gasoline and other petroleum products urgently required for the conduct of the dynamic campaigns in the global war is constricting the flow of fuel oil, kerosene, ordinary gasoline, many petroleum solvents, liquefied gases and waxes for civilian consumption to the extent that the pinch is now being keenly felt in almost all private heating, cooking and lighting material lines.

Although production of these petroleum derivatives is being stepped up to unprecedented heights, the shipment of these products destined for civilian use from the refineries and other processing plants is being hampered by the pre-empting of overland transportation facilities by the military establishment from the Gulf coast and Midwest to the Atlantic seaboard and from Southern California to consuming centers on the Pacific coast. And, with the shortage of these materials in non-military channels growing more acute as the winter season progresses, civilian consumers are being warned that they will have to get along as best they may on their original allotments of rather light rations, without hope of procuring supplementary quotas. An even further curtailment on civilian allowances, which now appears to be among the potentialities, may be avoided, however, by careful husbanding of the present scanty and fast-diminishing private supplies.

Solvents and Diluents

Aromatic Solvents — Although a tighter pinch in the xylol supply situation appears imminent, in view of the squeezes in benzol and toluol resulting from the war's absorption of the lion's share of all available stocks of these primary coaltar derivatives, manufacturers of the high-solvency aromatic naphthas are still able to procure sufficient quantities of this base material to meet current demands for their Class B as well as for their Class A types and blends of both kinds.

Cleaners' Naphtha—Moving in sizable volume into military and civilian usage.

Hi-Flash Naphtha—Makers of this waterwhite coaltar solvent report an enormous increase in takings by the trade and a constantly mounting call for it from that quarter, since the removal of this solvent from allocation control by its inclusion in amended order M-340, in the face of increasing scarcity, which leaves only the obligation on the producers to fill preferred orders with AAA rating and others accompanied by certifications before distributing the remainder of the supply among those devoid of such priority rights.

Lacquer Diluent—Buying interest continues to run high on the part of both military and civilian interests. Prices well maintained.

Mineral Spirit—Paint trade still buying extensively of this material. Market continuing strong.

Rubber Solvent—Manufacturers of synthetic rubber continue absorbing all available supplies and even current production. Tone holding firm.

Stoddard Solvent—In brisk call from both military and civilian users. Market steady.

V.M. & P. Naphtha—Paint makers continue buying in sizable quantities but with those engaged in war production work getting most of the offerings.

Markets at Other Centers

Chicago, Jan. 12—Continued extensive market interest is reported in most petroleum solvents and thinners in this area. Material is offered in only limited lots as a whole, while indications are that buyers are interested in obtaining quantities making good comparisons with those of earlier periods.

Los Angeles, Jan. 12—The demand and buying interest in Class A and Class B type aromatic solvents remains unchanged on the Pacific coast, and the situation is very tight, with almost everything spoken for in production.

Market Trends

Prices Advanced

None

Prices Reduced

Gasoline, 70 octane, unleaded, Gulf coast area, ⅛c. per gal.

Lighter Fractions

Butane—So huge are the current takings of this liquefied gas by those engaged in the production of high-octane gasoline and synthetic rubber, with which to meet the war needs, that the quantity available for household heating and cooking in the South and Southwest is now reduced to minimum essential requirements, with virtually none obtainable by private plants for use in non-military manufacturing operations.

Heptane—Buying interest becoming keener daily. Market firm.

Hexane—Moving in steadily mounting volume. Tone steady.

Octanes—Continues to be absorbed in increasing quantities for war production needs and in diminishing amounts for non-military uses.

Pentanes—War requirements are taking the bulk of current offerings but there is also a fair civilian demand, mostly going unsatisfied.

Propane—Conditions exactly similar to those noted above as characterizing the situation in butane also prevail in this liquefied gas.

Petrolatums and Waxes

Microcrystalline Waxes—A steady but not overly large movement of these waxes continues to be noted, under the leadership of the standard process types.

Paraffin—The combined drain of military purpose and lend-lease takings has lowered supplies of this petroleum-base wax to still smaller proportions than hitherto recorded. Hence, the present supply situation in both crude scale and refined grades is becoming increasingly tight.

The Foreign Economic Administration has announced that, beginning with the first calendar quarter of 1945, it will consider export license applications covering shipments of paraffin wax in limited quantities to Mexico. But, because of the existing tight position of this wax in the United States, FEA has ruled that the quantities which can be licensed for shipment to each consignee must necessarily be limited. Applications for authorization to make such shipments to Mexico should be submitted during the first month of each calendar quarter.

Petrolatums—With the demand running fairly high, producers are experiencing some difficulty in filling all orders promptly, because of a growing reduction of stocks. Prices well maintained throughout the lists of U.S.P., veterinarian and technical grades.

White Mineral Oils—A notably increased volume of business is being done in U.S.P. and technical types of these oils, now that the leading producers have lowered their price schedules to meet the competition of smaller suppliers.

Fuels and Lubricants

Crude Petroleum—Although another slight dip in the daily rate of domestic crude oil production has been recorded of late, the rate is still fairly close to the Petroleum Administration's January recommendation of 4,724,700 barrels daily, having shown a decline of only 27,350 barrels from the level recorded for the previous week to an average of 4,678,550 barrels for the week ended January 6. Runs of crude oil to the refineries for that same week are reported to have reached an average of 4,656,000 barrels a day, as compared with 4,798,000 barrels for the preceding week.

Fuel Oil—Underscoring its warning against further wasteful burning of light heating oils, OPA has announced to householders on the East Coast and in the Pacific Northwest using this oil for home-heating purposes that there will be no extra rations available for anyone but that rations in these territories will be held at 10 gallons per unit for period 3, beginning January 15, in the first-mentioned area and January 8 in the latter region.

Light fuel oil stocks throughout the country have shown a further decline for the week ended January 6 to 38,298,000 barrels on that date, compared with 41,004,000 barrels at the corresponding date a year ago. Nationwide stocks of heavy fuel oil have also shown a contemporaneous drop of 1,356,000 barrels to 56,074,000 barrels, against 54,570,000 barrels, last year.

Gasoline—Nationwide stocks of gasoline on January 6 are reported by the American Petroleum Institute as having increased 2,000 barrels within the preceding week to 86,616,000 barrels, as compared with 76,924,000 barrels on December 30.

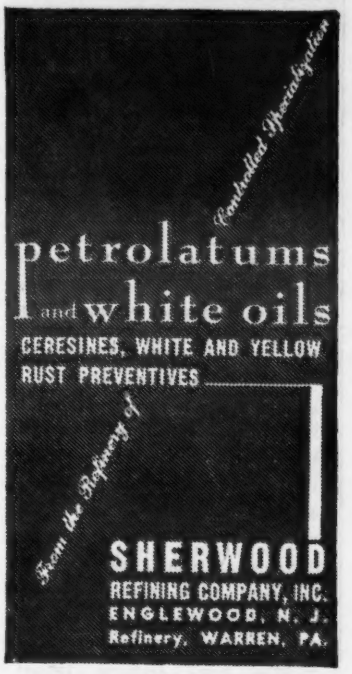
One refiner in the Gulf coast area has reduced his quotation for 70-octane unleaded gasoline by an eighth-cent per gallon to 6⅝c.

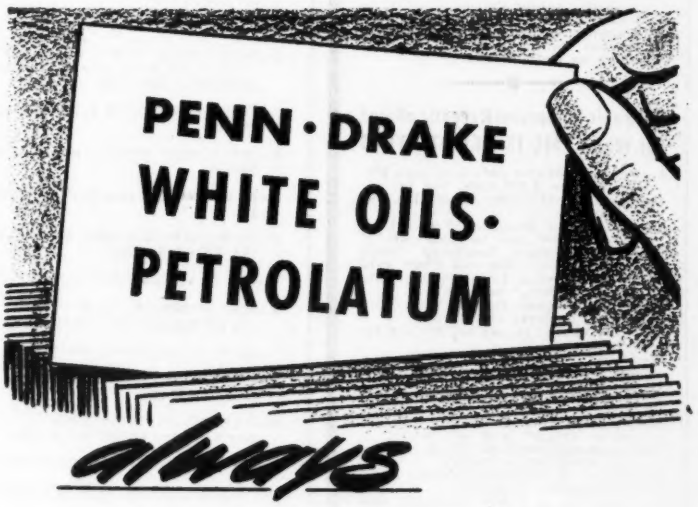
Natural Gas Ass'n Cancels Annual Meeting

Independent Natural Gas Association has postponed its annual meeting, upon request of the Office of Defense Transportation, and the membership voted by mail to continue current officers and directors in office.

John A. Ferguson, for the past nine years a member of the Missouri Public Service Commission, has accepted appointment as executive director of the Independent Natural Gas Association of America.

Mr. Ferguson will open offices for the Association in Washington, D. C.





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Makers White Oils (U.S.P. and Technical); Petrolatums (all grades and colors); INSECTI-SOL (deodorized insecticide base); Deodorized and other Naphthas; Petroleum Sulphonates; Waxes; Industrial and Motor Lubricants and Greases; Fuel Oils, and other petroleum products.

For Current prices see alphabetical listing beginning on page 9.

NEW ENGLAND LIQUIDATION

Pharmaceutical Dept.

1—Stokes 40"x42"; 20 shelf Vacuum Shelf Dryer with condenser, receiver, vac. pump.
1—Colton No. 2 Complete Pill Making Installation with former, cutter, mass mixers.
3—Colton No. 4 Tube Fillers and 2 Colton Crimping Machines.
1—Colton No. 2 Tube Filler and Closer for Liquids.
1—Colton Suppository Machine No. 1.
4—Semi-Aut. Powder Fillers for Auger and Volumetric use.
1—J. H. Day 1½-bbl. water jacketed Mixer; 24"x28"x38".
1—Stokes Mass Mixer; 30"x40"x60"; tilting; arr. for M.D.
1—Abbe Porcelain Lined Pebble Mill; 40"x48"; chain drive.
1—Silex Lined Pebble Mill; 800 gals. working; 7'x6'.
1—Steel Ball Mill; 44"x92"; girth gear driven.
1—Hardinge Ball Mill; 8' diameter x 22" face; hardened liners.
2—Jones Automatic Soap Press; 1 Dopp 1,500-lb. Soap Crutcher.
1—Stokes 850-Gal. Vacuum Still; 1—3,000-gal. Glass Lined Still.
8—Copper Vacuum Stills (1 Aluminum) from 50-gal. to 500-gal.
8—Copper Steam Jacketed Kettles (100-gal.); 1 Kettle 700-gal.
7—Steel and Iron Steam Jacketed Kettles up to 1,500 gals.
4—Vertical Copper Tanks, 1,000 gals. Manhole tops; heavy duty.
2—Glass Lined Jacketed, 750-gal. Tanks; one with glass coated coil.
6—Glass Lined Closed Top Pressure Tanks; 300-gal. 4'x4'.
2—Rotex No. 7 double screen Sifters; 40"x84"; P.D.
1—Robinson Gyro Sifter, 40"x70", directly connected to 1 H.P. motor.
1—Schutz O'Neill No. 16 Pulverizer with Cyclone and stocking dust collector.
1—Williams Hammer Mill; 28"x14"; capacity about 5 tons per hour.
1—Jeffery Hammer Mill; 24"x20"; capacity about 4 tons per hour.
4—J. H. Day Sifters and Mixers; 100-lb., 200-lb.
3—Karl Kiefer Visco Villers; Piston and Gear types.
1—Sprague Hand Pack Filler (set for No. 2½ cans); new condition.
2—Double Screw Type Meat Mixers; Hottman and Buffalo makes.
1—Shriver 24" Cast Iron 24" Filter Press; 24 chamber; closed delivery.
1—Sperry 30" Cast Iron; 20 chamber; closed delivery; with pump.
1—Sperry 24" Aluminum Filter Press with 25 recessed plates.
1—Sperry 42" Cast Iron Filter Press with 87 recessed plates.
1—Abbe Heavy Duty Rotary Cutter arranged for pulley drive.
6—Oliver Vertical Pressure Filters; 100 sq. ft. filtering area.
1—Revolvator or Stacker; ½ ton capacity; motor driven.
6—Miller Cellophane or Wax Paper Wrapper; adjustable; motorized.
1—Manton Gaulin 50 G.P.M. Homogenizer or Colloid Mill.

Desirable Equipment Recently offered For Which FMC IS NEGOTIATING

1—Permutit Water Softening and Filter System; 2,000 gals. per hr.
1—Howe Tank Scale; 10,000 lbs. for 5' Tank.
5—Glass Lined Insulated Truck Type Tanks; 1,000 gals. to 1,350 gals.
2—Stainless Steel Insulated Truck Type Tanks; 2,000 and 3,000 gals.
1—Patterson Silex Lined Pebble Mill; 33" dia. x 22½" face; P.D.
2—Stranb Peanut Butter Mills with bottom feeders; (10 H.P.).
2—Mitts Merrill Hogs; No. 22; arr. for P.D.
2—40-Gal. Pony Mixers; 1 with can, direct drive; No. 1 can, P.D.
1—Vaughan-Taylor 5 Roll Calendar-Roll Mill; 6"x12" and 7½"x14" rolls.
3—Bramley Mills for Paints and enamels; 42"x36" and 30"x26".
1—Pneumatic Scale 6 Head Capper with conveyor cap intake.
2—Savage & National 75-gal. Jktd. Marshmallow Beaters.
1—Ayers No. 4 Tablet Counting and Filling Machine.
3—FMC Rotary Cutters for corn, plasties, etc. (5 and 6 knives).
1—Aluminum Tank, 6,000-gal. Dished Heads; 8'0"x10'6".
1—Sparkler Stainless Steel Filter No. 144; Serial No. 668.
1—Sharples Stainless Steel Auto-Ejector.
3—Boomer & Boschert, 400-ton Hyd. Presses; 42"x48"; 20" ram; 78" DL.
1—Cooling Conveyor Table; 50' long; 13 belts to and from 3¼"w.
1—Bone Combination Sausage Outfit, incl. Chopper, Grinder, Mixer.
1—Shriver 24" Steam Jacketed Filter Press.
2—Revolvators or Portable Elevators; 1 Hand-Operated; 1 Motorized.
6—Sprague Vertical Retorts, 40"x72", complete with crates, etc.
1—Stokes & Smith Two Station Aut. Powder Filler; 1½-oz. to 16-oz.
1—Lancaster Mixer Type ZBG 5; 88" pan; double mullers; complete.
1—Filler Machine Co. 6 Piston Filler for quarts.
1—Complete Package Mach. Co. Filler, Liner, Closer, Sealer; 4"x6"x1¾".
1—Weeks MacDonald Automatic Straight Line Labeler for bottles.

FIRST MACHINERY CORP.
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NEW YORK 9, N. Y.

Business Wants and Offers

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Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

AGENCIES WANTED

Chemical Sales in Canada. We solicit the Canadian sales representation of first class American manufacturers of industrial and fine chemicals, pharmaceuticals, etc., write to H. P. Pollock & Co., Ltd., 1117 St. Catherine street West, Montreal 2, Canada.

Manufacturers Representative covering metropolitan New York and New Jersey with established trade in chemical, pharmaceutical, cosmetic, soap, and paint manufacturing companies, desires additional representation. Energetic, conscientious coverage guaranteed. Best references. OPD 640.

EQUIPMENT WANTED

Wanted—Stokes and Smith powder filler with auger packer and dribble checkweigh attachment. Advise age, condition and price. The Reardon Company, St. Louis 6, Missouri.

EQUIPMENT WANTED

Wanted for urgent war work the following machines: Two automatic or semi-automatic paint-filling machines to fill paints, enamels, etc., in 1-gallon and 1-quart cans; one Auger packing machine for packing dry powders such as red lead, red oxide, whiting, etc., in 1-lb. and 5-lb. cans. Several labeling machines for pasting wrap-around labels on quart cans, pint cans, one-half pint cans and one-quarter pint cans; two nailing machines for nailing tops on wooden boxes, approximate size of boxes, 20 inches long by 12 inches wide by 16 inches high. One double jacketed kettle with double-acting arms and scrapers to withstand approximately 100 pounds steam pressure, can be made of cast iron, stainless steel, copper, etc. Capacity, 50 to 100 gallons. Can be pulley-driven or driven by direct motor drive. OPD 646.

MATERIALS OFFERED

For Sale—Ten, 55-gallon drums of butyl carbitol in original unopened drums. OPD 633.

Painters Caps, paperhanger aprons and all other forms of cloth advertising specialties; samples and information on request. Minnesota Specialty Co., 119 N. Fourth street, Minneapolis, Minn.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 618.

To Manufacturers and jobbers—Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 622.

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2—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.

1—5' x 12' Vacuum DRUM DRYER, Buffalo Foundry complete with accessories.

18—ROTARY VACUUM DRYERS; 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Strothers Wells 30" x 12'.

2—ATMOSPHERIC DRUM DRYERS 4' x 12'.

2—32" x 72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYERS, m. d.

2—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.

9—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30', 6 x 60'.

1—7'6" x 75' Indirect Heat ROTARY DRYER.

2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.

2—CRUSHING ROLLS, 40 x 16" Colorado Iron Works.

6—DRY POWDER MIXERS various sizes To 3000 lbs.

2—W. & P. MIXERS, sizes 21-X-BB jacketed 625 gal.

6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 1, No. 0000.

1—4'x6' OLIVER CONTINUOUS FILTER; 2—8'x8'

8—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.

1—Day No. 30 Imperial Jack. MIXER, 75 gal.

8—RUBBER LINED Rectangular TANKS; 7—500-gal.; 1—150 gal.

29—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives

1—PNEUM. SCALE CARTON PACKAGING UNIT

1—Pneumatic Scale Co. Auto. tight WRAPPER.

2—Batteries of two each TYLER HUMMER SCREENS 4'x5', single deck, other sizes

1—36" dia. Cast Iron COLUMN, 75" high

1—Devine duplex VACUUM PUMP 16 x 16 x 12

1—Buffalo 48 x 40" VACUUM DRUM DRYER, with bronze chromium plated drum, Vacuum pump, Barometric condenser, Vacuum receiver etc.

All items motor driven, still set up in operating condition.

LIQUIDATION MACHINERY AND EQUIPMENT OF FORMER CENTRAL SUGAR CO., Decatur, Indiana

1—Battery of 5—40" STEEL BASKET, WESTERN STATES, 1600 RPM, belt driven CENTRIFUGALS, ball bearing, water-cooled heads; mixer with Stevens mingler coil; syrup troughs, all supporting framework, unloaders.

1—19,000 sq. ft., QUADRUPLE EFFECT, horizontal, brass tube EVAPORATOR, with all piping, pumps, etc.

8—8x10 Wood Stave OLIVER FILTERS.

7—JUICE HEATERS, 500 to 750 sq. ft. H. S.

1—Hersey double unit ROTARY DRYER OR GRANULATOR.

Miscellaneous: Pumps, Packaging Machinery, Coil and Calandria Pans

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3—STOKES steam heated WATER STILLS, 5, 10, 100 gal. per hour.

9—Hardinge BALL MILLS, 4'6" x 16", 5' x 22", 6' x 36"; also 6' x 12' Rod Mill.

2—8' x 30" Hardinge Conical Silex Lined PEBBLE MILLS, also 6' x 36".

53,000 lbs. 2—4" mixed STEEL GRINDING BALLS.

1—500 gal. 5' x 6' BALL MILL.

5—ROTARY KILNS, 6' x 60', 8' x 125', 8'x 135'.

2—BELT CONVEYORS, 30" x 120', 16" x 65'.

3—Dracco Perfecto Type AAA DUST COLLECTORS

1—Abbe Blutergess No. 2 SIFTER; 1—No. OS, m.d.

2—Gen. Ceramic 40" dia. x 15' high ABSORPTION TOWERS.

10—Dopp C. I. jacketed KETTLES, 25 Gal. to 100 gal; 30—steel, cast iron, jack. up to 2000 gals.

3—ROLLER MILLS, 6'6" x 14", 12 x 30, 16 x 40 water cooled.

3—Beach-Russ No. 10 ROTARY VACUUM PUMPS, with V-belt Drive m. d.

2—Nash No. 2 ROTARY VACUUM PUMPS, with V-belt Drive, m. d.

1—Pneumatic Scale straight line BOTTLE CLEANER

4—150 gal. aluminum TANKS, cone bottom.

1—Stokes No. 21 GRANULATING MIXER, 50 lb. belt driven.

2—Granberg LIQUID METERS.

2—Colton TUBE or JAR FILLERS, 1-No. 0, 1-No. 7.

2—Jones Automatic CARTONERS.

2—4-Roll RAYMOND HIGH SIDE MILLS, equipped for vacuum air separation—one with latest "whizzer" separator, with double cone vacuum separator. Each including exhauster, cyclone collector and inter-connecting piping.

2—Anderson PACKAGING UNITS

1—Sperry Iron FILTER PRESS, 36" x 36", 38 chambers; 1—Shriver 24" x 24", 40 chambers.

1—World Rotary auto. LABELER

1—Burt straight line auto duplex LABELER, m.d.

1—C. C. & S. 7-head Jumbo CROWNER.

3—50 gal. copper steam jacketed VACUUM PANS, complete; other sizes to 750 gal.

1—Pneumatic Scale Co. Auto. 6 head CAPPER & CAP FEEDER, M. D.

3—Pfaudler GLASS LINED TANKS, 2-90 gal. open

3—40 gal. DAY PONY MIXERS.

1—Size "B" Erie City COAL PULVERIZER with 40 P 3/60/220-440 V. Motor. Rated 2000 lbs. per hour.

2—18 x 18" Jeffery Single ROLL CRUSHERS.

11—COPPER & ALUMINUM steam jack. KETTLES—up to 350 gal, some with agitator.

1—U. S. Bottlers C-8, 8 spout gravity LIQUID FILLER.

1—450 gal. GLASS LINED jack. agit. KETTLE; 2—150 gal. jack. agit; 2—200 gal. jack.

1—350 gal. NICKEL LINED jack. KETTLE, C. I. shell.

1—5' x 13' PEBBLE or TUBE MILL, with open trunions.

1—Riehle friction grease TESTING MACHINE, cap. 10,000 P. S. I.

1—Filler Machine Co. 8-spout piston FILLER.

2—J. H. DAY auger & F. J. STOKES DRY POWDER FILLERS.

1—WORLD High Speed straight away LABELER, m.d.

4—500 gal. all COPPER, steam jack. agit. KETTLES

1—No. 12 SWEETLAND FILTER with 36 monel leaves, 250 mesh, grooved.

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For Sale—Nitric acid recovery plant, New Jersey; some minor repairs necessary, but materials readily available. Reasonable price for immediate sale. Inspection by appointment. OPD 644.

PLANTS WANTED

Paint and varnish production chemist will consider partnership, or outright purchase of a small to medium-sized plant, together with available raw material quotas. Location, New York City or adjacent. General details in first letter would be appreciated. OPD 642.

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Chemical Engineer wanted, thoroughly experienced paint and varnish specialist, for executive position in Venezuela. Excellent future. OPD 639.

POSITIONS VACANT

Chemist—Experienced in the manufacture of soaps, waxes, disinfectants and other chemical specialties. Organic chemical knowledge and experience desired. Important position. To take charge of development and production. Established reliable company in Baltimore, Md. Permanent position with good post-war prospects. OPD 630.

Chemist—Excellent opportunity; position available for chemist to formulate and develop industrial lubricants. Preferred that applicant possess experience in greases and grease products, but not essential if right man. Postwar opportunities. Give details, education, experience and draft status. L. R. Kerns Company, Chicago 17, Illinois.

POSITIONS VACANT

Salesman, experienced in selling industrial chemicals, for well established organization in Midwest. Excellent opportunity. Reply giving full details of experience, past employment, salary, references and enclose recent snapshot. Our employees know of this ad. OPD 634.

Paint Chemist with experience in lacquer and industrial finishes, wanted for factory located in Missouri. Must have agreeable personality and proven ability. Excellent opportunity with growing company. Send full information about past experience and state salary desired. OPD 645.

POSITIONS VACANT

Food Chemist, with imagination and initiative, capable of eventually assuming complete responsibility for the manufacture and development of flavoring extracts and allied products, wanted by old-established firm well known in the industry. An unusual opportunity. OPD 621.

Sales Manager wanted for fine and industrial chemicals by well known chemical distributor. Write full details of education, salary desired, experience, draft status, etc. Our employees know of this advertisement. OPD 643.

POSITIONS WANTED

Export executive with broad experience, skilled organizer, linguist, now with large concern, desires connection manufacturer to establish or promote foreign trade. Either within your organization or for own account. OPD 625.

Dry Color chemist thoroughly experienced in the manufacture and production of organic and inorganic pigments used in the industry, desires position with reliable company in dry color or allied industry. OPD 638.

Chemical Engineer with wide experience in plant management, chemical control and research in oils, fats, waxes, soaps, sodas, metallics and anticorrosion compounds, desires position with manufacturer. OPD 647.

Chemist - Production Superintendent—Paint, varnish, protective coatings; wide experience in all phases of plant operation. Excellent formulator. Successful twenty-year record. Desires responsible work, preferably within metropolitan New York area. Would consider other related field if practicable. OPD 641.

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Ready to Go

Day Cincinatius No. 6—140 Gals.
Day Lab. 2½ Qt. Motor Drive
W&P Jack. 2½ Gals. M.D.
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Bulletin "X" listing over 500 items now ready. Ask for your copy.

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Colloid Mill
400 lb. Read Mixer
Glasslined Closed Tanks
500-1000 gals.
Pharmaceutical Scales to 100 lbs.
Colton Cream Filler
Filler for Cosmetic Oils

Detailed Quotation under Box No. 648
Oil, Paint & Drug Reporter

TANKS

2—15,000 gal., vertical, ¼" steel, rivetted.
1—23,000 gal., horizontal, 5/16" steel, welded.
1—9,000 gal., horizontal, ⅜" steel, rivetted.
1—8,000 gal., horizontal, ½" steel, rivetted.
1—12,000 gal., horizontal, ½" steel, rivetted.
1—10,000 gal., square, ¼" steel, rivetted.
1—4,500 gal., square, ¼" steel, rivetted.
1—2,800 gal., rectangular, ¼" steel, rivetted.
1—2,000 gal., rectangular, ¼" steel, rivetted.
1—1,800 gal., rectangular, ¼" steel, rivetted.
1—1,250 gal., rectangular, ¼" steel, rivetted.

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4—Pfaudler glass-lined evaporating dishes, 150 gal.
2—W&P jacketed type BB Mixers, 29"x27" power screw tilt, heated fishtail blades.
2—Sparkler stainless steel Filters.
1—42" Copper Vacuum Still.
1—Shriver 18x18" Lead Filter Press with Pump & Motor.
3—World and Ermold Labelers.
4—Alsop portable vacuum Fillers.
2—Sifters—Rotex No. 7 and Abbe No. 2.

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Bulletin P-2

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SPECIALS!

1—No. 59C Vallez Rotary Filter, 942 sq. ft., with Monel Leaves.
2—Devine 10"x10" Two Stage Dry Vacuum Pumps.
1—Nash 700 cfm Vacuum Pump, Style L7.
1—36"x36" Cast Iron Filter Press, plate and frame, 48 chambers.
1—Buflovak 24" x 36" Single Drum Flaker.
4—4'x5' Pfaudler Jacketed, Agitated Tanks.
1—Vulcan 6'x42' Rotary Dryer.
1—W. & P. 100-gal. Jacketed Mixer, Sigma Blades.
1—W. & P. 150-gal. Stainless Steel Lined Mixer.
1—Robinson 32"x108" Gyrating Screen, with motor.
1—13" Belt Conveyor, 25' centers, with motor.
1—No. 5 Sweetland Filter, stainless steel lined with 15 stainless steel leaves on 4" centers.
1—No. 5 Sweetland Filter, with 20 leaves, 3" centers.
5—Swenson Walker Continuous, Jacketed Crystallizers, 24"x30'.
1—Day 300-gal. Aluminum Lined Jacketed Mixer.
1—Day No. 10 Imperial Jacketed Mixer, 30 gal.
2—6'x5' Jacketed Closed Pressure Kettles.
1—Jacketed Steel Still 500 gal. with Column
4—Jacketed Agitated Steel Kettles, 650, 600 gal.
2—Day Cincinnatus 75 and 100 gal. Mixers.
1—Colton No. 4 Single Punch Tablet Machine, 1" tablets.
1—W. & P. 20-gal. Mixer.
5—Semi-Automatic Labelers.
1—Struthers Wells 2,200 sq. ft. Triple Effect Evaporator.
1—Stokes 100-gal. Vacuum Pan, steel.
1—Shriver Diaphragm Pump. 45 gpm, 5 H.P. motor.
2—Oliver Filters, 5'x8', 3'x4'.
5—Shriver and Independent 24", 36", 42" Wood Filter Presses.
1—Sperry 18" Cast Iron Filter Press, 9 chambers.
12—Centrifugals, 32", 40", 48" steel, bronze baskets, motor driven, top, bottom discharge.
1—Raymond No. 00 Screen Pulverizer.
3—Hersey Rotary Dryers, 5'x30'.
1—Copper Rotary Dryer, 6'x17'.
2—Scott 4'x8' Vacuum Cookers.
1—Buffalo 24" x 20" Vacuum Drum Dryer.
2—Rotary Dryers or Kilns, 6'x60'.

Miscellaneous: Complete stock: pumps, tanks, filters, boilers, etc

Partial List Only. Your Inquiries Solicited. Send us your lists of surplus equipment.

BRILL Equipment Co.
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NEW YORK 1, N. Y.
BRyant 9-2040

2—Batteries (9 and 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
1—Ball & Jewell No. 1½ Rotary Cutter.
1—54"x48" Silex Lined Pebble Mill.
3—No. 0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
6—Autoclaves, 200 to 1,500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1,500 gals.
3—10, 250 & 1,500 gal. lead lined closed Kettles.
1—Pfaudler 60 gal. Jack. Agit. Glass Lined Kettle.
2—Dopp 50 & 80 gal. Jack. Agit. Kettles.
1—250 gal. Copper Jack. Vac. Still and Receivor.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. Steel Copper Lined Vac. Filter Tank.
1—600 gal. Steel Copper Lined Agit. Tank.
6—20, 35, 75 & 250 gal. Closed, Agitated Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Netteo Drives.
3—Single Punch Preform Tablet Machines, ½" & ¾".
1—Homogenizer, 10 HP, motor driven.
25—Hydr. Presses, Pumps and Accumulators.
1—75 lb. Powder Mixer, motor driven.
1—Dunning & Boschert 2,000 lb. Double Arm Steel Powder Mixer.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Coombs Gyratory Sifter, 1/3 HP.
1—Robinson 20" M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
2—Devine 8"x6" Horiz. Vac. Pumps.
1—Nash No. 3 Vacuum Pump.
1—No. 3 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
1—5 Roll water cooled 16"x40" Steel Roller Mill.
2—Ross 3 Roll Water Cooled 12"x30" & 16"x40" Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20" & 7½"x30" Rolls.
10—Pebble & Jar Mills, Lab. to 50 gal.
3—Tolhurst 24", 26" & 40" Centrifugals.
8—Stone Mills, 8" to 32".
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
1—Schutz-O'Neil 20" Pulverizer.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
30—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, 1 to 10 HP.

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KNAPP ADJUSTABLE CAN LABELING MACHINE

2—Mikro Pulverizers equipped with 50 H.P. motors.
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1—Abbe 4' diameter Pebble Mill
National Equipment 100-gallon latest style Colony Homogenizer with stainless steel two stage head.
1—Huhn Steam Dryer.
1—Elgin 24 Spout Rotary Vacuum Filling Machine.
1—Colton Ossilating Granulator.
2—Galvanized tilting type Percolators, 200-gallon capacity.
1—World Fully Automatic Labeling Machine.
1—Filler four Plunger Filling Machine.
1—J. H. Day No. 2 Double Arm heavy duty, motor driven.
1—Ermold and 1 World Semi-Automatic Labeling Machines
2—Day 3 roll Roller Mills 16" x 40" horizontal type with roller bearings, direct motor drive.
2—Kent 3-roll Roller Mills, 16" x 40" horizontal type motor drive

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ESTABLISHED 1892

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STAINLESS STEEL TANKS, new, 100 and 200 gal., dished bottoms.
SEITZ ALLUVIATION FILTER for gravity or pressure.
STEAM JACKETED KETTLE, 9' dia. 5' deep, complete with agitator, new.
COPPER TANK with agitator and coil, 66" dia. x 7'.
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COPPER EVAPORATOR with Stokes Condenser.
COPPER COATING PAN 66" dia. 40" deep.
KNY-SHEERER STERILIZER 71½" long, 30" wide, 42" high, mounted on truck with Steam Boiler.
STERILIZERS or PRESSURE COOKERS—new—18" x 18" on steel legs, with gasoline burner, clampdown cover, safety valve and gauge—$75.00 each.

H. LOEB & SON
4643 LANCASTER AVENUE, PHILADELPHIA 31, PA.

Botanical Drugs

Continued from page 64

Poppy—The "bugs" that had held back business in the Turkish seed held in the primary market by British and American authorities have been ironed out. All and sundry may now buy on a to arrive basis at 30c. to 31c. per pound in quantities of 100 bags; smaller lots, 32¼c. to 33c. The goods will not start from the source earlier than the Spring months.

Spices

Allspice—Forward delivery sales were proposed at the higher price of 16½c. to 17c. per pound.

Ginger—Jamaica No. 2 root was shaded to 24c. to 24½c. per pound. Other varieties of ginger lacked change. At this time, it is openly doubted that any African root will reach this country despite agreements reached concerning an allotment of root to this country.

Paprika—Fancy quality Spanish material was available usually on a to arrive basis at 50c. to 50½c. per pound. The supply of this pepper was generally on the low side.

Pepper—Old crop chillies, Louisiana longs, were again quoted, this time at 28½c. to 29c. per pound. The last quoted price was 27¼c. per pound.

Markets at Other Centers

Los Angeles, Jan. 10—The botanical drug and spice market remained even last week with only light trade reported. Prices are:—

Calendula Flowers—Nominal at $2 per pound.

Marjoram—French type quoted at 45c. per pound in dried and clean form.

Sage—Dalmation type containing less than 12 percent stems quoted at 80c. per pound for small lots. Leucophyllia named at 55c. for small lots.

Savory—French type nominal at 90c. per pound in small lots.

Sweet Basil—Named at 90c. per pound in dried form.

Thyme—French type nominal at 90c. in dried and clean form.

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OIL OF DILLWEED
OREGON BALSAM OF FIR
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WEST COAST BOTANICALS
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Williamson Ass't Extension Director for Agricultural Dep't

The appointment of H. H. Williamson as Assistant Director of Extension work the Department of Agriculture to handle emergency war education activities on cotton, has been announced by Extension Service Director M. L. Wilson. The appointment to become effective on January 16. Mr. Williamson is a former director of the Texas Cooperative Agricultural Extension Service.

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OIL LEMON, C.P. Cal. U.S.P.
TONKA BEANS
HUNZIKERS, Inc., 520-524 W. ERIE ST., CHICAGO 10, ILL.

Fertilizer Materials

—Continued from page 53

November production amounted to 293,551 long tons, compared with 312,060 long tons in October. Stocks at the end of November were 4,089,622 long tons, against 4,110,395 at the end of October and 4,514,859 long tons at the end of November, 1943. No improvement in shipping conditions could be noted for Spanish pyrites. The market was reported quiet, with prices unchanged.

Insecticides

Experiments with sulphur dusting in Santa Clara, Cuba, for the control of peanut leafspot during the 1944 season were successful, according to the Department of Commerce. The sulphur was applied at the rate of 12 pounds an acre during the first dusting, while 19 pounds an acre were used for the second and third dustings.

An effective, economical and easily prepared dipping solution for ridding sheep of ticks has been developed in recent research by veterinarians of the Department of Agriculture. The dip is prepared by mixing six ounces of derris powder containing 5 percent rotenone with a little water to make a thin paste, and then diluting that in 10 gallons of water. Cube powder may be used instead of derris, since both contain the same effective tick-killing substance—rotenone.

Only a limited supply of rotenone, in the form of cube powder, is now being imported. However, control of sheep ticks is one of the uses authorized by the War Food Administration, for which rotenone bay be allocated by WPB. Flock owners may arrange for such allocations after first determining the quantity of material required.

Markets at Other Centers

Atlanta, Jan. 12—Difficulties in getting sufficient labor to operate fertilizer plants are increased by the new draft orders. Eligibles for the draft under the new order are moving to war munition and other industries rated highly as essential industries. Part-time farm labor, which some of the plants have used, is also leaving for war industries.

Baltimore, Jan. 12—Demand for superphosphate exceeds supply, production being held down by labor shortage. The market was firm at 65c. per unit of a.p.a. under 22 percent in bulk. Unfavorable weather conditions have kept the production of fish scrap restricted. There is no surplus of scrap as farmers are trucking material before it goes into warehouse.

Chicago, Jan. 12—Call was moderately good for various grades of nitrogenous fertilizer materials. Organics met with signs of continuing buyer interest, while the general situation was keyed to supplies of livestock, with heavy cattle receipts contrasting with limited hog receipts. Blood was in good call. Tankage held firm. Bone materials steady and fairly active.

Los Angeles, Jan. 12—Because January allocations of ammonia nitrate were 35 percent short, this market is extremely tight. Ammonia sulphate also was scarce, resulting from a 30 to 40 percent reduction in allocations for January. Trading in fishmeal was slow, with production restricted by the full moon period.

Recent Imports

—Continued, from page 4

COCOA BEANS—53,432 bgs, 10,686,400 lbs, United States Commercial Co
1,000 bgs, 200,000 lbs, Wessel, Kulenkampf Co
1,000 bgs, 200,000 lbs, Nieschlag & Co
1,000 bgs, 200,000 lbs, A C Israel Commodities Co
500 bgs, 100,000 lbs, Cocoa Trading Co
400 bgs, 80,000 lbs, Willard, Hawes & Co
2,000 bgs, 400,000 lbs, W R Grace & Co
600 bgs, 120,000 lbs, Blumenthal Bros
100 bgs, 20,000 lbs, Little & Christman
100 bgs, 20,000 lbs, H W Peabody & Co
200 bgs, 40,000 lbs, M Golodetz & Co
100 bgs, 20,000 lbs, H Phillip & Co
100 bgs, 20,000 lbs, Scarburgh & Co
1,000 bgs, 200,000 lbs, Kennedy, Butcher & Co
500 bgs, 100,000 lbs, J Aron & Co
500 bgs, 100,000 lbs, Middleton & Co
500 bgs, 100,000 lbs, Hershey Chocolate Co
100 bgs, 20,000 lbs, T M Duche & Sons
CORK—10 bgs, Chase National Bank & Trust Co
6 bgs, Wicander & Co
BOARDS—1,181 crates, Crown Cork & Seal Co
SHAVINGS—3,415 bls, 341,500 lbs, Armstrong Cork Co
617 bls, 61,700 lbs, Universal Transcontinental Corp
VIRGIN—8,686 bls, 868,600 lbs, Armstrong Cork Co
1,721 bls, 172,100 lbs, J Sennfelt
WASTE—7,945 bls, 794,500 lbs, Armstrong Cork Co
2,290 bls, 229,000 lbs, Wicander & Co
618 bls, 61,800 lbs, Crown Cork & Seal Co
2,148 bls, 214,800 lbs, Universal Transcontinental Corp
815 bls, 81,500 lbs, Fred F Wilkins
CORKWOOD—2,087 bls, 208,700 lbs, Armstrong Cork Co
1,230 bls, 123,000 lbs, J Sennfelt
50 bls, 5,000 lbs, Manufacturers Trust Co
67 bls, 6,700 lbs, Atlantic Pacific Mfg Co
CUBE, POWDERED—17 bgs, United States Commercial Co
CUTTLEFISH BONES—31 cs, Siegbert Neuman
100 cs, National City Bank
35 cs, H S Dorf & Co
170 cs, J Victori & Co
ELDERBERRIES—100 cs, S B Penick & Co
FISH LIVERS—10 bbls, National Oil Co
GLANDS—10 cs, Tupman, Thurlow & Co
GLUESTOCK—25 rolls, H Remis Co
GUM, COPAL—88 bgs, Thurston & Braidich
32 bgs, O G Innes Corp
84 bgs, Gillespie-Rogers-Pyatt Co
46 bgs, H P Winter & Co
100 bgs, Industrial Chemical Co
30 bgs, Balfour, Guthrie & Co
34 bgs, Guaranty Trust Co
LAUREL LEAVES—100 bls, A G Dunn
50 bls, L & R Mullen
MENTHOL—3 cs, Marc Raymond
OIL, COD—150 bbls, Atlas Refining Co
100 bbls, Philadelphia National Bank
100 dms, White & Hodges
CODLIVER—885 bbls
3 dms, Marden Wild Corp
2 dms, C L Huisking & Co
5 dms, Eelsingh Lugtigheid
1 dm, National City Bank
46 dms, Bankers Trust Co
32 dms, E R Squibb & Sons
4 cks, Peder Devold Oil Co, Inc
66 dms, Peder Devold Oil Co, Inc
LEMON—2 cs, Polak & Schwarz
OITICICA—46 dms, Pacific Vegetable Oil Co
ORANGE—3 cs, Norda Essential Oil & Chemical Co
4 cs, Stuart Bros
SASSAFRAS—2 dms, Trubek Laboratories
2 dms, Otto Gerdau Co
3 dms, Orbis Product Corp
SHARK LIVER—987 dms
21 bbls
TUCUM—35 bbls, E F Drew & Co
OX GALLS—4 bbls, Dino Luzzatto
PAPRIKA—450 bgs, 63,000 lbs, R T French Co
150 bgs, 21,000 lbs, Jacob Raphael & Son
45 bgs, 6,300 lbs, Archibald & Kendall
550 bgs, 77,000 lbs, J Navarro
100 bgs, 14,000 lbs, Levy & Levis Co
PERFUMERY—14 cs, Paul Adams
SYNTHETIC—52 cs, Firmenich Co
ROSEMARY LEAVES—20 bls, W Bernstris Co
WAX, BEES—9 blocks, Bank of London & South America
8 blocks, Innis, Speiden & Co
5 blocks, Will & Baumer Candle Co
5 blocks, L Luzzatto
10 blocks, Paul & Stein Bros
4 blocks, H D Shelon & Co
5 blocks, Balfour, Guthrie & Co
1 block, H R Potter
5 blocks, Industrial Sales Corp
3 blocks, Barclay Bank
CARNAUBA—25 bgs, Innis, Speiden & Co
25 bgs, American Cyanamid & Chemical Corp
38 bgs, W R Grace & Co
8 bgs, S C Johnson & Son

Phila. Oil Trades Dinner January 18

The thirty-second annual dinner of the Oil Trades Association of Philadelphia will be held in the Bellevue-Stratford hotel, January 18.

Fitch Gives $100,000 to Drake For Pharmacy Building

In recognition of the need for better facilities for training in the profession of pharmacy, the F. W. Fitch Company has donated $100,000 for erection of a pharmacy building, to be constructed as soon as possible after material and labor are available.

Medicinal, Toilet Articles Importers in Panama Listed

The Commercial Intelligence Unit has compiled a list of importers and dealers in Panama in medicinal and toilet preparations. Copies of the list may be obtained by American firms for $1 from the Bureau of Foreign and Domestic Commerce, Washington.

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